

# YEAR 7 KNOWLEDGE ORGANISER

LENT TERM

Name:

**Family Group:** 



















LEARNING - LOVING - LIVING

## KNOWLEDGE ORGANISER GUIDANCE



The knowledge organiser is a book of **EVERYTHING** that you should know (and remember) for the whole term.

EACH NIGHT you should spend at least **1 hour** per night on homework.

<u>3 subjects per night x 20 minutes per subject= 1 hour.</u> Use the homework timetable as a guide to what subjects to complete each night.

**Complete all work in your exercise book** and make sure you bring your knowledge organiser to school EVERYDAY (in your coloured folder).

Every FRIDAY morning the week's worth of KNOWLEDGE ORGANISER homework will be checked in Family Group time and detentions issued for work not complete, or not up to standard.

## SUBJECT HOMEWORK

All students will also be assigned **ENGLISH** reading activities on <a href="https://www.CommonLit.org">www.CommonLit.org</a> with each assignment taking 20-30 minutes to complete and **MATHS** activities with short explanatory videos on the online platform of <a href="https://mathswatch.co.uk">https://mathswatch.co.uk</a>.

Students in years 9-11 will also be provided with additional subject homework to be completed throughout the week. It is also recommended to take advantage of FREE online revision tools such as <a href="https://www.senecalearning.com">www.senecalearning.com</a> or the recently updated BBC BITESIZE.

It is also recommended that students regularly **READ** a variety of **fiction and non fiction books** of their choosing. This extra reading will develop and broaden general understanding and context in all subjects.

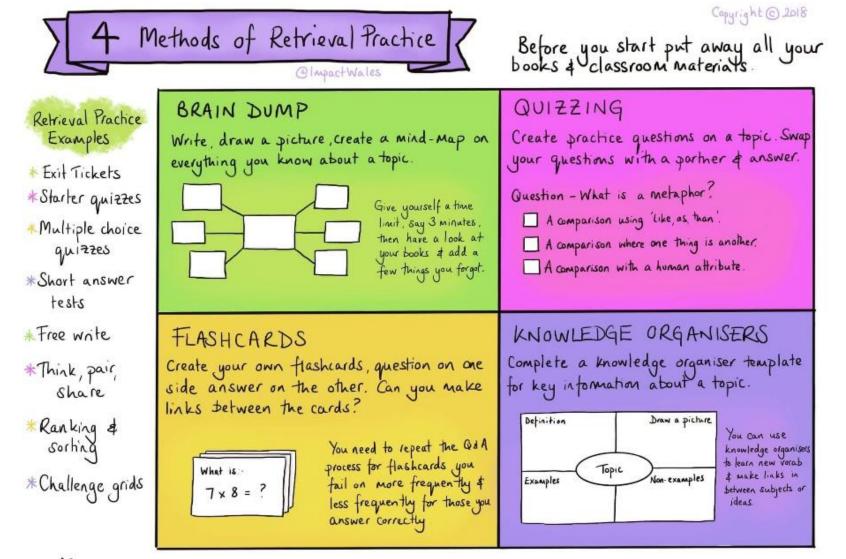
| HOMEWORK TIMETABLE |           |           |           |  |  |
|--------------------|-----------|-----------|-----------|--|--|
| Year 7             | Subject 1 | Subject 2 | Subject 3 |  |  |
| Monday             | Maths     | History   | PE        |  |  |
| Tuesday            | English   | Geography | ICT       |  |  |
| Wednesday          | Maths     | RE        | Music     |  |  |
| Thursday           | English   | Science   | Creative  |  |  |
| Friday             | Maths     | Languages | Drama     |  |  |

## HOMEWORK CHECKLIST

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|--------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |
|        |        |        |        |        |        |
|        |        |        |        |        |        |
|        |        |        |        |        |        |
|        |        | Half   | term   |        |        |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|        |        |        |        |        |        |
|        |        |        |        |        |        |
|        |        |        |        |        |        |
|        |        |        |        |        |        |



Here are some activities that you can try at home with your knowledge organiser to help revise. There are even more strategies on page 3.



After you have retrieved as much as you can go back to your books & check what you've missed. Next time focus on that missing information



#### **DUAL CODING**

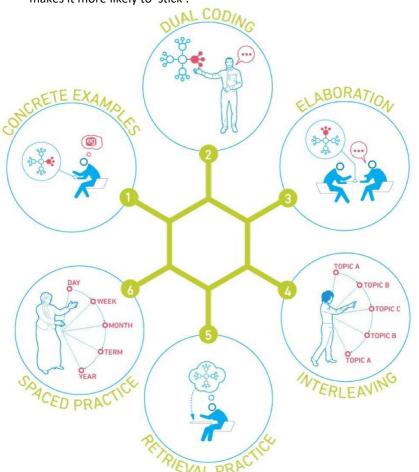
Dual coding is the process of combining visual and written materials. You can visually represent materials using methods such as info graphics, timelines, cartoon/comic strips, diagrams and graphic organisers. Combing images with words or explaining an image makes it more likely to 'stick'.

#### **CONCRETE EXAMPLES**

When you're studying, try to think about how you can turn ideas you're learning into concrete examples. Making a link between the idea you're studying and a real life example, concrete example, can help students understand abstract ideas and make it 'stick'.

#### SPACED PRACTISE

Divide up your revision into short manageable chunks of time . When revising aim for 20 - 30 minutes per session. Five hours spread out over two weeks is better than the same five hours all at once. This is **spaced practice** and it is regarded as one of the most effective revision strategies.



#### RETRIEVAL PRACTICE

Through the act of retrieval, or calling information to mind, our memory for that information is strengthened and forgetting is less likely to occur. Retrieval practice ideas include: Read, cover, write, check, flashcards and brain dumps.

#### **ELABORATION**

When talking about studying, elaboration involves explaining and describing ideas with many details. Elaboration also involves making connections among ideas you are trying to learn. Ask yourself questions about a topic to delve deeper. The more information you have about a specific topic the stronger your grasp and ability to recall.

#### **INTERVEAVING**

Interleaving is a process where you combine multiple subjects and topics while you study in order to improve learning. Switch between ideas and make links between them during a study session. Interleaving has been shown to lead to better long-term retention

## YEAR 7 — LENT TERM- ENGLISH — ANIMAL FARM

19. Constitution

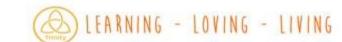


| <u>YEAR 7 — LENT TERM- ENGLISH — ANIMAL FARM</u>                          |            |  |   | LEARNING - LOVING - LIVING   |  |
|---|------------|--|---|--|--|
| Context - George Orv  | vell       |  | Dist  |  |  |
| 1. Pseudonym A fictional or made up name used to hide a writer's identity |            | Plot   |   |  |  |
| 2. Democratic socialism   |            | Chapter 1  | The animals gather in the barn where Old Major delivers a speech arguing for rebellion. |  |  |
| 3. Dystopia   | An imagin  | ed state where everything is bad   | Chapter 2   | The rebellion happens after Mr Jones forgets to feed the animals.  |  |
| 4.Eponymous   | Having the | e same name as the title   | Chapter 3   | The pigs begin to emerge as leaders.   |  |
| 5. Totalitarianism  | A system   | of government which demands complete obedience   | Chapter 4   | A group of men try to seize the farm and The Battle of the Cowshed takes place.  |  |
|   | and contr  | ol   | Chapter 5   | Snowball is expelled from the farm and work on the Windmill begins.  |  |
| Context - Marxism  6. Karl Marx  The founder of Marxism, an influ         |            | The founder of Marxism, an influential political   | Chapter 6   | The pigs begin trading and sleeping in beds. A storm destroys the windmill and this is blamed on Snowball  |  |
| O. Rail Walk  |            | ideology that was critical of capitalism.  | Chapter 7   | Napoleon calls a meeting and several 'traitors' are executed.  |  |
| 7. The Communist Manifesto  |            | Marx's most famous work.   | Chapter 8   | A group of men attack the farm and blow up the Windmill. Several animals die and Boxer is injured.   |  |
| 8. Utopia   |            | A state where everything is perfect. Marx believed a utopian society would be classless and stateless. | Chapter 9   | Boxer is injured working and Napoleon calls for a vet. Boxer is taken away but Benjamin realizes he is being taken for slaughter. Boxer is never seen again. |  |
| 9. Proletariat  |            | Working class people   | - Chapter 10  | Years pass. The pigs begin walking on two legs, wearing clothes and the  |  |
| 11. Collectivisation  |            | Property is owned by the state rather than individually  |   | commandments are changed. In the final scene, the pigs meet with the farmers and play cards. The animals can not tell the difference between the pigs and th |  |
| 12. Communism   |            | Political system of collectivisation   |   | humans.  |  |
| 13. Capitalism  |            | Based on private ownership of the means of   | Key Characters  |  |  |
|   |            | production and individual economic freedom   | Mr Jones  | The drunken owner of Animal Farm, represents the tyranny of man.   |  |
| Context – The Russia  |            |  | Old Major   | Inspires the rebellion with his rhetoric. Possibly represents Lenin or Marx.   |  |
|   |            | ne year in which the revolution took place.  | Napoleon  | Establishes himself as a dictator. A representation of Stalin.   |  |
|   |            | ollowing the revolution, Russia was renamed the Union Soviet Socialist Republics                       | Snowball  | An opponent to Napoleon who is devoted to animalism.   |  |
| 16. Bolsheviks Re   |            | evolutionary faction who seized power in 1917.   | Boxer   | Devoted and immensely strong. A representation of the working class.   |  |
| 17. Vladimir Lenin Lea  |            | eader of the Bolsheviks  | Squealer  | Mouthpiece of Napoleon. Uses propaganda to control the animals.  |  |
| 18. Red Terror  |            | ne Red Terror was a period of political repression and   | Benjamin  | Stubborn, cynical and apathetic. A close friend to Boxer.  |  |
| 1   |            | ass killings carried out by Bolsheviks after the eginning of the Russian Civil War in 1918             | Dogs and<br>Sheep   | Instruments of fear and control, educated by Napoleon.   |  |

Sheep

A nation or state's fundamental set of laws

# <u>YEAR 7 — LENT TERM- ENGLISH — ANIMAL FARM</u>



| Key Vocabulary               | <u>Definition</u>  |                               |  |
|------------------------------|--|-------------------------------|--|
| 20. Tyranny (n)              | Cruel and oppressive government or rule  | 35. Feudal (adj)              | The dominant social system in which peasants were expected to live on their lord's land and provide labour and a share of produce. |
| 21. Exploitation (n)         | Benefit from a situation in a way considered unfair or underhand                               | 36. Hegemony (n)              | Leadership or dominance  |
| 22. Repression (n)           | The act of using force to control somebody or something  | 37. Naivety (n)               | Lack of experience, wisdom or judgment   |
| 23. Egalitarian (adj)        | Believing that all are equal   | 38. Hypocritical (adj)        | Pretending to believe something that they do not or in the opposite way to what is said and done.                                  |
| 24. Ubiquitous (adj)         | Found or present everywhere  | 39. A Pyrrhic<br>Victory      | A victory that has such a devastating effect it may as well be a defeat.   |
| 25. Apathetic (adj)          | Lack of interest, enthusiasm or concern  | 40. Omniscient (adj)          | All knowing  |
| 26. Esteem (n)               | Respect and admiration   | 41. Ominous (adj)             | Suggesting something bad will happen   |
| 27. Stoic (adj)              | Someone who can endure pain or hardship without complaining or showing their feelings.         | 42 Elitist (adj)              | In favour of those considered superior to others   |
| 28. Propaganda (n)           | Information, particularly misleading information, used to promote a particular political view. | 43. Stratification (n)        | The arrangement of something into specific groups  |
| 29. Altruistic (adj)         | Showing a selfless concern for the wellbeing of others.  | 44. Idealism (n)              | The unrealistic belief or pursuit of perfection  |
| 30. Inquisition (n)          | A period of intense questioning  | 45. Intelligentsia<br>(n)     | Intellectual or highly educated section of society   |
| 31. Ideology (n)             | A system of ideas and ideals   | 46. Bourgeoisie<br>(n)        | The materialistic and conventional middle class  |
| 32. Radical (adj)            | Diverting from tradition   | 47. Epiplexis (n)             | A series of rhetorical questions   |
| 33. Oppression (n)           | Exercise of authority or power in an unjust manner   | 48. Tricolon (n)              | Three things in a row  |
| 34. Liberate (v)             | To free  | 49. Anaphora (n)              | Repeating start of phrase, clause or sentence  |
| Stylistic Features and terms |  |                               |  |
| 50. Allegory (n)             | A story or poem with a hidden meaning  | 54. Rhetoric (n)              | Persuasive speaking or writing   |
| 51. Symbolism (n)            | Using something to represent a larger, more abstract idea                                      | 55. Circular<br>Narrative (n) | A narrative that ends in the way that it began   |
| 52. Omniscient               | A narrator who is able to observe everything and who   | 56. Irony (n)                 | The opposite of what is expected, often humorous   |
| narrator (n)                 | know the thoughts and actions of all the characters  |                               |  |
| 53. Satire (n)               | Writing that ridicules, often a political figure or society                                    | 57. Hypophora (n)             | Asking a question then answering it straight away 5  |



| Key Vocabulary      | <u>Definition</u>  |                          |  |
|---------------------|--|--------------------------|--|
| 58. Bureaucracy (n) | A system of government in which most important decisions are made by state officials, rather than by elected representatives | 73. Constitution (n)     | A nation or state's fundamental set of laws  |
| 59. Dictator (n)    | A ruler (often cruel), with total power  | 74. Axiom (n)            | A short statement expressing a general rule  |
| 60. Dissenter (n)   | Someone who disagrees with those in power  | 75. Irrefutable<br>(adj) | Impossible to deny or disprove   |
| 61. Expulsion (n)   | The act of forcing someone to leave  | 76. Frenzy (n)           | Uncontrolled excitement or wild behaviour.   |
| 62. Manipulate (v)  | Control or influence (a person or situation) cleverly  | 77. Hysterical<br>(adj)  | Uncontrolled emotions  |
| 63. Dubious (adj)   | Not to be relied on, doubtful  | 78. Asylum (n)           | The protection granted by a state to someone who has left their home country as a political refugee. |
| 64. Passive (adj)   | Accepting or allowing what happens without active response or resistance   | 79. Relentless<br>(adj)  | Unceasing  |
| 65. Proletariat (n) | The working class  | 80. Tumult (n)           | A loud, confused noise especially when caused by a mass of people.                                   |
| 66. Corrupt (adj)   | Dishonest and immoral  | 81. Mimicking (v)        | Imitating or copying   |
| 67. Fascism (n)     | A society ruled by a dictator who is backed by the military  | 82. Evade (v)            | Escape or avoid  |
| 68. Etonian (n)     | A student of Eton College  | 83. Complacent (adj)     | Showing smug or uncritical satisfaction with oneself or one's achievements.                          |
| 69. Socialism (n)   | A belief that we should all share in the profits of our labour   | 84. Intrepid (adj)       | Fearless and adventurous   |
| 70. Leftist (n)     | Someone who supports social equality   | 85. Impassioned (adj)    | Filled with great emotion  |
| 71. Libel           | The crime of writing bad things about people that are not true.  | 86. Collaborate<br>(v)   | To work jointly  |
| 72. Atrocity (n)    | Extremely wicked or cruel act  | 87. Audacious<br>(adj)   | Showing a willingness to take bold risks   |

# YEAR 7 — LENT TERM - MATHEMATICS — ALGEBRAIC REASONING, FRACTIONS, DECIMALS AND PERCENTAGES



|  |   |                |                            |                      |   |                                      | •           |                             |   |   |  | Trinity  |  |
|--|---|----------------|----------------------------|----------------------|---|--------------------------------------|-------------|-----------------------------|---|---|--|--|--|
| Vocabulary   | ry  |                |                            |                      |   | QUESTION ANSWER                      |             |                             |   | R   |  | KEY FACTS A  | ND FORMULA   |
| Variable   | (or an <u>unknown</u> ) is a letter used to represent a number, these can take any values                                   |                |                            |                      |   |                                      |             | ns is the                   | Simplifying   | Simplify the following<br>1) x + x + x + x + x = 5x<br>2) 5e - 2e + e = 4e<br>3) 4x + 2y - x + 5y + 6 = 3x + 7y + 6<br>4) 3x2 + 5x + 2x2 - 4x = 5x2 + x |  |  |  |
| Terms  | the separate parts of expressions. For example, in $5x + 3y - 4$ , there are three terms $5x$ , $+3y$ and $-4$              |                |                            |                      |   |                                      |             | the reciprocal              |   |   | 5) 5 x 4g = 20g<br>6) 3b x 4c = 12bc             |  |  |
| Expressions  | is made up numbers and/or letters representing unknown values where there is no equals symbol. For example, 4a + 6 or a + b |                |                            | +                    | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ |                                      |             | 2 x 3 = 6                   | Substitution  | Evaluate $3a^2$ when $a = 5$<br>$3 \times 5^2 = 3 \times 25 = 75$<br>(Don't forget BIDMAS!)   |  |  |  |
|  | contains an 'o  | equals' sign a | and at lea                 | ast one              | frac  | tions                                |             |                             | 33  | 33 - 3  | 33   |  |  |
| Equations  | variable. A va  | lue can be fo  | ound for                   | the                  | To f  | To find 50 % Halve the amo           |             |                             | ne amou   | nt  | Expanding  | 1) Expand 2(3m + 5)  |  |
|  | variable and this is known as solving the equation  |                | To f                       | To find 25%          |   | Halve the amount and                 |             | Brackets single             | = <u>6m + 10</u>  |   |  |  |  |
| Farmenta   | is a special type of equation which is a rule   |                |                            | halve it again (or o |   |                                      | r divide by | brackets                    | 2) Expand $\frac{3}{4}r(\frac{2}{2}r - \frac{3}{3})$<br>= $\frac{8r^2 - 12r}{4}$  |   |  |  |  |
| Formula  | for working t   | hings out su   | ch as area                 | a                    | To f  | To find 75% Add your answers for 50% |             |                             | ers for 50%   |   |  |  |  |
| Improper   | Fractions where the numerator is larger than  |                |                            | n                    |   |                                      |             | and 25%                     |   | Converting to   | 1. Write $4\frac{2}{3}$ as an improper fraction. |  |  |
| fraction   | the denomin   | ator           |                            |                      | To f  | To find 10%                          |             |                             | Divide the amount by 10   |   | improper   | Think of the <u>mixed number</u> as an <u>addition</u> :<br>$4\frac{2}{3} = 4 + \frac{2}{3}$                                 |  |
| Numerator  | The top num   | ber in a fract | ion                        |                      | To f  | To find 20% Find 10' it              |             |                             | % and th  | en double   | fractions  | ) Turn the integer part into a fraction:<br>$4 + \frac{2}{3} = \frac{12}{3} + \frac{2}{3} = \frac{12 + 2}{3} = \frac{14}{3}$ |  |
| Denominator  | The bottom r  | number in a    | fraction                   |                      | To f  | To find 1% Divide by 100             |             |                             |   | y 100   |  |  | 2. Write $\frac{31}{4}$ as a mixed number.                                   |
| Mixed Mixed numbers are things that have an integer and a fraction like $3\frac{1}{3}$ |   | 209            | 209 as a percentage of 400 |                      |   | $\frac{209}{400}$ × 100 = 52.25%.    |             | Converting to mixed numbers | Divide the top number by the bottom.  1) The answer gives the whole number part.  2) The remainder goes on top of the fraction. |   |  |  |  |
| Mathswatch   | Number  |                |                            |                      |   |                                      |             |                             |   | 1   |  |  | $31 \div 4 = 7 \text{ remainder } 3 \text{ so } \frac{31}{4} = 7\frac{3}{4}$ |
| Algebraic reasoning  | A7a,7b,A<br>6,8,9,10,   | Fraction       | 1                          | $\frac{1}{4}$        | <u>3</u>  | 1                                    | 1           | _1_                         | 2   | 1   | 2  |  |  |
|  | 11A,B,C   | Tuction        | 2                          | 4                    | 4   | 10                                   | 5           | 100                         | 5   | 3   | 3  | _  |  |
| Fractions, decimals and  | R9a,b   | Decimal        | 0.5                        | 0.25                 | 0.75  | 0.1                                  | 0.2         | 0.01                        | 0.4   | 0.222   | 0.666  | Express x as a percentage of   |  |
| percentages  | N32-  |                |                            |                      |   |                                      |             |                             |   | 0.333   |  | у  | Divide x by y, then multiply by 100.   |
|  | N39b  | Percentage     | 50%                        | 25%                  | 750/  | 10%                                  | 120%        | 10/2                        | 40%   | 22 222 0  | 66.666%  |  |  |



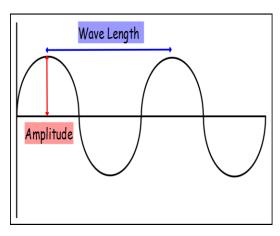
|  |   | E                                     |  |                         |  |
|--|---|---------------------------------------|--|-------------------------|--|
| Important Ideas                                |   | Formulae to learn                     |  |                         |  |
| $A = \pi r$                                    | Used to calculate the area of a circle. Notice that the formula includes an $r^2$ term and the answer will be an area                           |                                       | Area = base x height   | 8 cm                    | Area = 8 x 5 = 40 cm <sup>2</sup>                                    |
| $A = \frac{\pi d^2}{4}$                        | measured in units <sup>2</sup> . This formula can also<br>be used as the basis for finding the area<br>of sectors and the volumes of cylinders. | Area of a triangle                    | Area = $\frac{\text{base x height}}{2}$                      | 9 4 \5                  | Area = <u>12 x 4</u> =24cm <sup>2</sup>                              |
|  |   | Area of a parallelogram               | Area = base x perpendicular height                           | 4cm Som                 | Area = 7 x 3 = 21 cm <sup>2</sup>                                    |
| <i>C</i> –                                     | Used to calculate the circumference.  Notice that the formula does not feature  |                                       | neight.  | 7on                     |  |
| $C = \pi c$ $C = 2\pi r$                       | a <sup>2</sup> . This formula can also be used to calculate the perimeter of shapes made up from part of a circle.                              | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |  | 6 cm                    | Area = ½ (6 + 16) x 5<br>= 55cm <sup>2</sup>                         |
| Parts of a circle                              | Parts of a circle  Radius  Diameter  Circumference  |                                       | $A = \pi r^2$  | 10cm                    | $A = \pi x r^2$<br>$A = \pi x 100 = 100\pi = 314.16$ cm <sup>2</sup> |
|  | Arc Chord Tangent   | Circumference of a circle             | $C = \pi d$  |                         | $C = \pi d$ $C = \pi \times 20$ C =62.83cm                           |
| Area   | The amount of space inside a 2D shape   | Volume of A Prism                     | Vol = the cross section area (A) length (or height) of prism | X                       | Volume of cuboid   |
| perimeter                                      | The total distance around the outside of a shape  |                                       | rength (or height) of phan                                   | 5 cm 8 cm 13 cm         | = length × width × height<br>= 5 × 8 × 13                            |
| Acute angle                                    | An angle less than 90 degrees   | V = AI or $V = Ah$                    |  |                         | = 520 cm <sup>3</sup>  |
| Obtuse angle                                   | An angle more than 90 but less than 180 degrees   | MathsWatch References                 |  |                         |  |
| Reflex angle An angle greater than 180 degrees |   |                                       |  |                         |  |
| Perpendicular                                  | When 2 lines intersect at right angles they are perpendicular   | G2, G22a, G22b                        | Area and Circumference of Circle                             | G13,G17,G18,G19,G23,G31 | Angles   |
| Pi - π   | A mathematical constant. Defined as the ratio of a circle's circumference to its diameter. 3.142 (3dp)  | G21a, G25a                            | Volume or cuboids and  | 630a h a d              | Area   |
| Prism  | A solid figure whose bases or ends have the same size and shape and are parallel to one another, and each of whose sides is a parallelogram     | U21d, U23d                            | prisms   | G20a,b,c,d              | Aled   |

## YEAR 7 — LENT TERM – SCIENCE — LIGHT

**Luminous** - emits (gives out) light, like the Sun.

We can see objects because they reflect light, which then enters our eye.

**Light** is a type of **electromagnetic wave** and is therefore a **transverse** wave.



In transverse waves, oscillations occur **perpendicular** (at right angles) to the direction the wave travels.

**Wavelength** is the distance before the wave repeats – this is easiest to find by measuring the distance between peaks.

Light can pass through some materials:

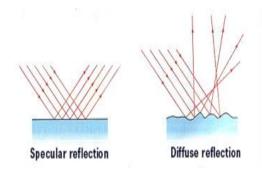
**Transparent** – most light transmitted **Translucent** – some light transmitted

Opaque - no light transmitted

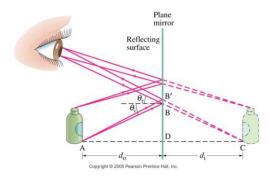
Light that is not transmitted is either absorbed or reflected.

If all the light is reflected in the same direction an image is formed – this is called **specular reflection**. This happens on smooth surfaces.

Rough surfaces cause **diffuse reflection** – the light scatters.



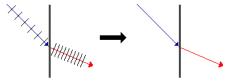
The ray model represents how light travels at different surfaces. Light always travels in straight lines.



Solid lines represent the actual path of light. Dotted lines represent where the light **appears** to have come from to the eye – virtual rays.

When light changes speed it changes direction – this is called **refraction**.

When the material light is travelling through changes, the speed it travels at will change based on the **optical density** of the material: more dense = slower light.



A ray will be used to depict the direction which a wavefront travels.



The **normal** is an imaginary line at 90° to the surface. All angles are measured from the normal.

When light reflects, the angle of incidence is the same as the angle of reflection

When light refracts and slows down, it changes direction **towards** the normal.

When light speeds up, it changes direction **away** from the normal.

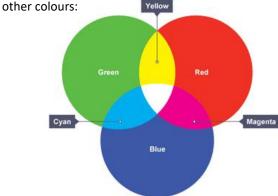
When light is absorbed, the energy is transferred into a different form — E.g. in photosynthesis, light energy is transferred into chemical energy in glucose. In solar panels, light is used to release electrons to form an electric current (electrical energy).

Light waves (and all EM waves) travel at the same speed in the same material.

Different wavelengths of light have different colours – red has the longest wavelengths, blue the shortest. Wavelengths longer than red form infrared radiation, shorter than blue, UV radiation.

White light is made up of all colours blended together.

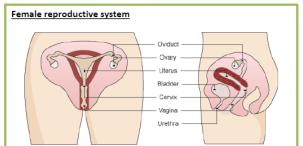
White light can be split up into the colours of the spectrum using a prism. Different colours can be combined to make



White materials reflect light of all colours. Black materials reflect no light (black absorbs all light).

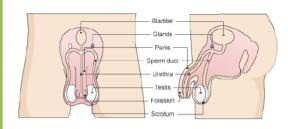
Coloured materials only reflect that colour and absorb the others. E.g. blue objects only reflect blue light. All other colours are absorbed.

## YEAR 7 — LENT TERM – SCIENCE — REPRODUCTION



| Parts of Female<br>Reproductive<br>System | Functions of the part  |
|---|--|
| Ovary                                     | The organ where eggs (ova) are produced and where they mature ready for release each month                             |
| Oviduct                                   | The small tube leading from each ovary to the uterus – the egg travels along here and fertilisation happens here       |
| Uterus                                    | The organ where an embryo grows into a foetus and eventually a baby  |
| Uterus lining                             | The wall of the uterus   |
| Cervix                                    | A ring of tissue between the uterus and vagina;<br>this helps keep a foetus in place in the uterus<br>during pregnancy |
| Vagina                                    | The organ that is entered by the penis during sexual intercourse; this is also part of the birth canal                 |

#### Male reproductive system



| Parts of Male<br>Reproductive<br>System | Functions of the part  |
|---|--|
| Testes                                  | The organ where sperm cells are made   |
| Scrotum                                 | The skin that holds the testes   |
| Sperm ducts                             | The tubes that carry sperm from the testes to the urethra  |
| Glands                                  | These add liquids, including nutrients for the sperm, to the sperm cells from the testes to make semen |
| Urethra                                 | The tube that carries either urine or semen out of the body through the penis                          |
| Penis                                   | The organ that enters the vagina during sexual intercourse   |
| Foreskin                                | The skin that protects the end of the penis  |

# LEARNING - LOVING - LIVING

#### Gestation

After fertilisation of an ovum, a woman is pregnant. The embryo grows as cells divide and travels to the uterus. Ciliated cells in the oviduct help it to move to the uterus.

The embryo implants into the uterus wall, where is gets oxygen and nutrients from the mother's blood. As it grows bigger and cells become specialised, we call it a foetus. It grows a placenta and umbilical cord.

At the placenta, the foetus gets oxygen and nutrients from the mother's blood (but their blood does NOT mix). The foetus gets rid of waste like carbon dioxide into the mother's blood too.

#### Birth

After about 40 weeks of pregnancy (for humans), the foetus is ready to be born.

- . The muscles in the wall of the uterus contract (contractions)
- · These contractions get stronger and faster this is 'labour'
- After some time of labour, the amniotic sac breaks, which releases the fluid (the 'waters break')
- Contractions push the baby headfirst through the birth canal through the cervix and out through the vagina

#### The menstrual cycle

The menstrual cycle prepares the female body for pregnancy by causing eggs (ova) to mature and be released. It lasts for 28 days.

Days 1

Days 6-

13

Day 14

Days

15-28

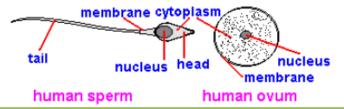
- 'period' happens (menstruation), where uterus lining breaks down.
- Uterus lining builds up (thickens) to prepare for pregnancy. The egg (ovum) matures in the ovary
- Egg (ovum) released from the ovary and travels down the oviduct
- Uterus lining stays thick, in case the egg is fertilised

#### **Fertilisation**

Fertilisation is when a sperm cell and an ovum fuse. Sperm cells are released into the female reproductive system during sexual intercourse (ejaculation). Only one sperm cell breaks through the cell membrane and enters the ovum, and only the head enters.

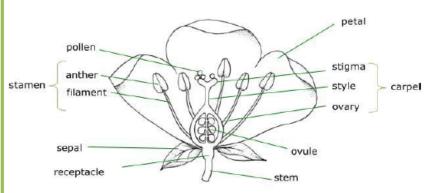
The pushe fuse together putting the mother and father's genetic.

The nuclei fuse together, putting the mother and father's genetic information together. The fertilised ovum is now an embryo.





# Plant reproductive system



| Parts of plant<br>Reproductive<br>System | Functions of the part                      |
|--|--|
| Pollen                                   | The male gamete (sex cell)                 |
| Stigma                                   | Structure that the pollen sticks to        |
| Style                                    | Connects the stigma to the ovary           |
| Ovary                                    | Produces and stores ovules                 |
| Ovule                                    | The female gamete (sex cell)               |
| Anther                                   | Produces the pollen                        |
| Filament                                 | Holds the anther to the edge of the flower |

#### Seed dispersal

The plant spreads the seeds out – this is called seed dispersal – so their offspring don't compete with them for light or soil nutrients. Seeds can be dispersed in many ways:

- Animals they eat the fruit and release the seeds in their waste
- · Wind for example sycamore seeds
- · Water for example coconuts

#### Pollination

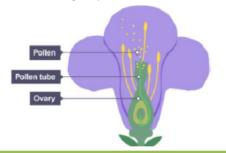
Pollination is the transfer of pollen from the anthers of one flower to the stigma of another flower (of the same species).

- In wind pollination, the wind carries the pollen from the anthers of one flower to the stigma of another
- In insect pollination, insects carry the pollen from anthers to stigmas. They go to flowers to get nectar for food (e.g. bees), and the pollen sticks to them so they carry it onwards.

#### **Fertilisation**

After pollination the pollen makes a pollen tube down the style to the ovary. The nucleus of the pollen cell travels down the tube to get to the ovum (egg cell) - when the cells join, this is fertilisation.

The cell made when the pollen and ovum fuse will become a seed, which can become a new plant. Plants then form fruits, often from the ovary walls.



| Key terms            | Definition  |
|----------------------|---|
| Physical change      | A physical change means a change in the physical state of a substance for example whether it is a solid liquid or gas   |
| Chemical change      | A chemical change involves the breaking and forming of bonds. A new chemical (product) is formed afterwards   |
| Conservation of mass | Matter involved in a physical or chemical change is the same<br>before and after the change. Mass is the same before and<br>after a physical change; the number of atoms in the reactants<br>of a chemical reaction should stay the same after the chemical<br>change |



#### **Physical Change**

In physical change, the matter's physical appearance is changed, but **no chemical bonds are broken or formed.** 

For example, when water evaporates or boils from liquid water to gaseous steam, only the appearance fo the water is changed – ice, water and steam all have the **chemical formula H\_2O**.

| Key terms        | Definition  |
|------------------|---|
| Chemical<br>Bond | A chemical bond is a strong attraction between atoms. |

#### **Conservation of Mass**

In both chemical and physical changes, mass in conserved. This means that the mass we start with must be the same as the mass we end with. **You** cannot make or destroy atoms.

#### **Example of physical change:**

If you start with 10g of ice, this will melt to form 10g of water, which will evaporate to form 10g of steam.

#### **Example of chemical change:**

If you start with 2 g of hydrogen and 16g of oxygen, you will make 2 + 16 = 18g of water

$$\begin{array}{ccc} 2H_2 + O_2 & \longrightarrow & 2H_2O \\ 2g + 16g & & 18g \end{array}$$

### Word and Symbol equations

To represent chemical reactions we use word and symbol equations. These equations always have the reactants on the left and the products on the right:

Reactants 
$$\rightarrow$$
 Products  
Hydrogen + Oxygen  $\rightarrow$  Water  
 $H_2+O_2 \rightarrow H_2O$ 

#### **Chemical Change**

A chemical change involves the **formation of one or more new substances.** Different elements or compounds are present at the end of the chemical change.

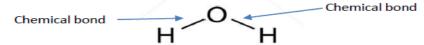
We can observe reactions to see whether or not a chemical change has taken place, signs of chemical changes could be:

- 1. A colour change
- 2. Gas being made
- 3. An increase or decrease in mass
- 4. Formation of a new solid

| Key terms      | Definition   |
|----------------|--|
| Metal<br>Oxide | A compound where a metal is bonded to an oxygen.                       |
| Oxidation      | A reaction where one of the reactants forms a bond with an oxygen atom |
| Decomposit ion | A reaction where one substance breaks down into 2 or more substances   |

#### Chemical bonds

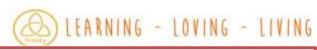
A chemical bond is a strong attraction between atoms. Chemical bonds can only be broken in chemical reactions. Below shows a diagram of the bonding in water:



In water we say there is a chemical bond between the hydrogen and oxygen atoms. This chemical bond is strong and to break it requires energy.

Chemical bonds can also exist between atoms of the same element. For example a chlorine atom is always bonded to another chlorine atom.

Chemical bond



#### Chemical Formulae

To show how many atoms are bonded together in an element or a compound, scientists use chemical formulae.

A small number after an element symbol, tells you how many of that type of atom are in the substance.

For example: Cl<sub>2</sub> This means that there are **2 chlorine atoms** chemically bonded together.

For example: H<sub>2</sub>O This means there are 2 **hydrogen atoms and 1 oxygen atom,** chemically bonded together.

For example  $Fe_2O_3$  This means that there are **2 Iron and 3 oxygen atoms**, chemically bonded together.

#### Chemical reactions

In a chemical reaction we have reactants, these are the chemicals that you start with. In a chemical reaction we make **products**, this is what you will finish with.

In a chemical reaction chemical bonds in the **reactant** particles are broken and new bonds in the **products** are made.

Hydrogen + Chlorine → Hydrogen chloride

H<sub>2(g)</sub> + Cl<sub>2(g)</sub> 
$$\longrightarrow$$
 2HCl<sub>(g)</sub>

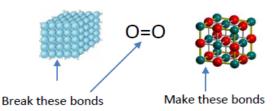
H—H+CI—CI  $\longrightarrow$  H—CI+H—CI

BOND
BREAKS
BOND
BREAKS
BOND
BREAKS
BOND
BREAKS
BOND
FORMS

#### The reaction of metals with oxygen

Metals react with oxygen to make **metal oxides.** For example magnesium reacts with oxygen to make **magnesium oxide.** This can also be written as a word equation:

Magnesium + Oxygen -> Magnesium Oxide



In this reaction the bonds between the magnesium atoms and the oxygen atoms are broken. Bonds are then formed between the magnesium and the oxygen atoms.

We call these chemical reactions **oxidation reactions**, as the magnesium has gained an oxygen.

#### **Decomposition Reactions**

In some chemical reactions 1 substance can break down to form 2 new substances. We call these reactions decomposition reactions.

An example of a **decomposition reaction** is when hydrogen peroxide (formula  $H_2O_2$ ) breaks down into water and oxygen.

Hydrogen peroxide → Water +Oxygen

H-O-O-H → H-O-H + O=O

Break these bonds

Make these bonds

## YEAR 7 — LENT TERM – SCIENCE — SOUND AND HEARING

# LEARNING - LOVING - LIVING

#### **Using Sound Waves**

We can hear sound waves due to the adaptations of our ears.

- 1. The eardrum vibrates thanks to a sound wave hitting it.
- 2. The eardrum vibrates tiny bones in the inner ear.
- These bones cause the cochlea to vibrate, which in turn vibrates the hair cells inside.
- These vibrations produce electrical impulses that travel along the auditory nerve to the brain, where we interpret the sound.

Sounds can be produced by loudspeakers, which are simply vibrating cones. The pattern and frequency of the vibrations (oscillations) determines the sound.

**Microphones** have a vibrating <u>diaphragm</u> inside, which transfers the sound wave into an electrical signal in a circuit.

Humans can hear sounds with frequencies from <u>20 Hz to 20 000 Hz</u>. Sound with frequencies higher than 20 000 Hz is called **ultrasound**. Ultrasound is very useful, for example:

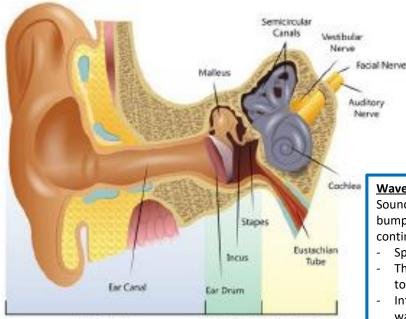
Middle Ear Inner Ear

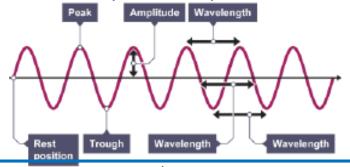
Prenatal scans of unborn children

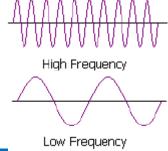
**Outer Ear** 

- Ultrasonic cleaning of fragile objects
- Breaking up deposits called kidney stones to prevent harm.

| Key Terms     | Definitions  |
|---------------|--|
| transmission  | The travelling of a wave. We say a wave is 'transmitted' through a medium.                             |
| incident wave | A wave heading towards the boundary between media.   |
| reflection    | When a wave bounces back from a boundary between media at the same angle as which it hit the boundary. |
| absorption    | When the energy a wave transfers goes into heating a material.   |
| refraction    | When a wave changes direction at the boundary between media due to a change in speed.                  |
| diffraction   | The spreading out of a wave after it passes through a gap.   |
| superposition | The adding up or cancelling out of waves that travel together.   |
| ultrasound    | Sound too high pitched (too high frequency) to hear  |
| hertz (Hz)    | The unit for frequency, meaning 'waves per second'   |







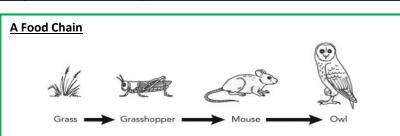
#### Waves through matter

Sound relies on transfer of energy through particles. One set of molecules start vibrating and bump into another set of molecules, which start vibrating and bump into another set, etc. This continues until the energy runs out.

- Speed of sound is fastest in solid, then liquids, then gases.
- This is due to density (how tightly packed the particles are): the closer together, the easier it is to pass energy from one particle to the next.
- Intensity of sound also differs: waves with the same amplitudes sound different in gas and water, so decibels in air will not be the same as decibels in water.

## YEAR 7 — LENT TERM – SCIENCE — THE ENVIRONMENT

|   | Key Terms    | Definitions   |
|---|--------------|---|
| 1 | Ecosystem    | Interactions of a community with the non-living parts of the environment  |
| 2 | Biodiversity | The range of species living in an ecosystem. Important due to needing a range of food sources so that organisms don't depend on just one source |
| 3 | Population   | Number of individuals of one species living in an ecosystem   |
| 4 | Habitat      | Place where an organism lives   |
| 5 | Food chain   | The feeding relationship between organisms: an example of dependence. Each organism depends on another for its nutrients                        |
| 6 | Food web     | A network of connecting food chains   |



#### In a food web:

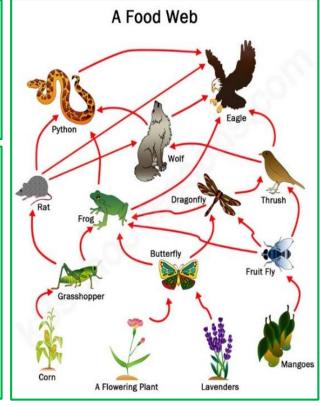
- · Producers make their own food
- Primary consumers eat producers
- Secondary consumers (e.g. frog) eat primary consumers
- Tertiary consumers (e.g. Python) eat secondary consumers

Food webs give a representation of the dependencies within an ecosystem.

If the amount of one organism changes (due to disease, habitat destruction etc) it will have a knock on effect on other species numbers.

For example, if a disease killed many frogs, there would be more grass hoppers and butterflies because they won't be eaten as often. There will also be more rats because they wont have as much competition for the grasshoppers.





#### **Food Chains**

Food chains start with a **producer** (usually a plant) which captures energy from the Sun by **photosynthesis** and uses to it make glucose (sugar).

Glucose is the source of energy for all organisms through **respiration**. The producer will use the energy from the glucose to grow.

When the plant is eaten, some of the energy left in the plant is transferred to the grasshopper, which will also use the energy for growth and also movement.

When the mouse eats the grasshopper, some of the energy is transferred to it to use.

Changes in the amounts of organisms at each stage of the food chain will affect all the other organisms in the chain.

 $\underline{\textbf{Plant population}} \text{ in an ecosystem is affected by:}$ 

- Rain
- Sun
- Minerals
- Space to grow

Animal population in an ecosystem is affected by:

- Food
- Habitats
- Mates
- Water
- Disease

Most animals eat different things and are involved in different food chains. These food chains can be put together to form a **food web**.

Organisms have an impact on their environment through their **behaviour** and the changes to the environment will affect their behaviour.

For example, cows will eat all the plant life. This will mean the topsoil gets washed away causing habitat loss for other organisms. It will also get washed into the water affecting water supply for all organisms.

Predator-prey relationships have the largest impact on organisms.

## YEAR 7 — LENT TERM – SCIENCE — THE ENVIRONMENT

# LEARNING - LOVING - LIVING

#### **Human Impacts on the Environment**

- Deforestation
- · Buildings and roads
- Dams and reservoirs
- Hunting

The growth of the human population also affects environments and the developed technology that comes with it.

- · More land is needed for farming
- More factories mean more pollution
- Organisms are moved out of their natural environment and have big impacts in new ones (e.g Japanese knot weed)
- · Many organisms are now endangered

These impacts reduce **biodiversity** – the amount of different species in an environment and the amount of each species.

There are three levels of risk for an organism of extinction:

- Not threatened
- Vulnerable
- · Endangered
- · Critically endangered

We protect endangered species through conservation. This can involve:

- Observation of species
- Analysis of environment
- Captive breeding
- Habitat creation
- Pest control
- International agreements to protect species

There are often a range of people involved in monitoring the environment of endangered species and implementing protection.

As a consequence of the growing human population, more food needs to grown. To help this, more **fertilisers** and **pesticides** are used to help grow more crops.

These chemicals can introduce toxins into the food chains.

Toxins can enter food chains from:

- · Pesticides and herbicides
- · Water run off from cities
- Soft mud absorbs toxins that plants then absorb
- Air pollution

These toxins will accumulate as they are passed up a food chain. Plants will absorb a little of the toxin, but herbivores will eat many plants. Organisms further up the food chain will accumulate the toxins gathered in those further down because there are less predators. This is called **bioaccumulation** and can lead to predators becoming extinct.

|   | Key Term        | Definition  |
|---|-----------------|---|
| 1 | Interdependence | The way organisms interact with each other. Also known as <b>symbiosis</b>  |
| 2 | Commensalism    | One organism benefits, the other doesn't  |
| 3 | Mutualism       | Both organisms benefit  |
| 4 | Parasitism      | One organism benefits at the cost of the other  |
| 5 | Niche           | Role of an organism in the ecosystem (e.g. predator, prey, decomposer)  |
| 6 | Competition     | Where two or more organisms compete for the same resource: the organisms better able to access the resource will thrive. Often the driving force of evolution |
| 7 | Specialism      | Where an organism is specialised for accessing resources from one source  |

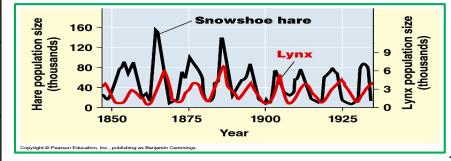
If the amount of prey increases, the predator numbers will all increase slightly afterwards.

When the predator numbers increase, the prey numbers will decrease.

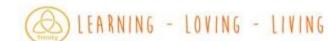
- There is more prey than predators
- The numbers of predators lags behind

Predators form an important part of food webs because:

- They keep the negative effects of prey in check
- They encourage prey to move around to give plants more time to grow Predators are also useful as a control for pests for human crops, for example lady birds can be introduced as a control for greenfly.

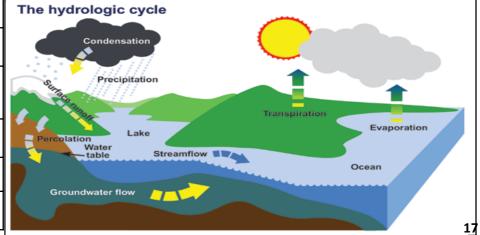


# YEAR 7- LENT TERM - GEOGRAPHY - RIVERS

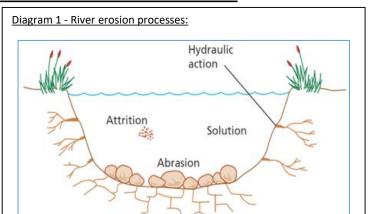


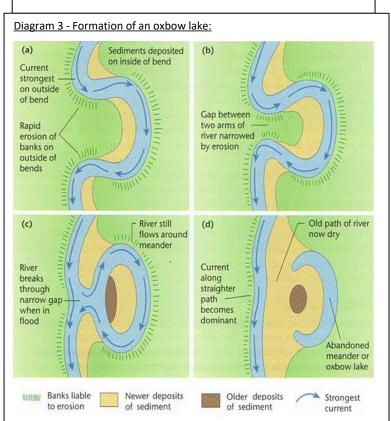
| the atn | nosphere through precip | nce of conditions through which water passes from vapor in<br>pitation upon land or water surfaces and ultimately back into<br>evaporation and transpiration. |
|---------|-------------------------|---|
| 1       | Tributaries             | A river or stream flowing into a larger river.  |
| 2       | Inputs / outputs        | Water coming into the system vs water coming out of the system.   |
| 4       | Precipitation           | All forms of moisture that reach the earths surface for example rain, sleet, snow etc.  |
| 5       | Storage                 | Water stored in the system in lakes, rivers, puddles etc.   |
| 6       | Ground water storage    | The storage of water underground in permeable rock strata.  |
| 7       | Rock strata             | Different layers of rock.   |
| 8       | Water table             | The level below which the ground is saturated with water.   |
| 9       | Saturated               | Holding as much water or moisture as can be absorbed.   |
| 10      | Ground water flow       | The deeper movement of water through underlying permeable rock strata below the water table.  |
| 11      | Infiltration            | The downward movement of water into the soil surface.   |
| 12      | Percolation             | The gravity flow of water within the soil.  |
| 13      | Surface run off         | The movement of water over the surface of the land, usually when the ground is saturated.   |
| 14      | Geology                 | The science of the physical structure and substance of the earth, their history and the processes which act upon them.  |
| 15      | Evaporation             | The transformation of water droplet into water vapor by heating.  |
| 16      | Transpiration           | Evaporation from plant leaves.  |
| 17      | Evapotranspiration      | The loss of water from drainage basin into the atmosphere from leaves of plants and loss from evaporation.  |

| Erosion – the wearing away of rock and soil found along the river bed and river bank |                       |  |
|--|-----------------------|--|
| 18   | Hydraulic action      | The force of the river against the banks can cause air to be trapped in cracks and crevices. The pressure weakens the banks and gradually wears it away. |
| 19   | Abrasion              | Rocks carried along by the river wear down the river bed and banks.  |
| 20   | Attrition             | Rocks being carried by the river smash together and break into smaller, smoother and rounder particles.  |
| 21 Solution  |                       | Soluble particles are dissolved into the river.  |
| Trans  | sportation – the rive | r picking up and carrying material as it flows downstream.   |
| 22   | Suspension            | Fine, light material carried along in the water.   |
| 23   | Saltation             | Small pebbles and stones bounced along the river bed.  |
| 24   | Traction              | Large boulders and rocks are rolled along the river bed.   |
| 25   | Deposition            | When a river looses energy it drops its load or deposits some of the material it is carrying.  |
| 26   | Velocity              | Speed of the river measured in meters per second.  |

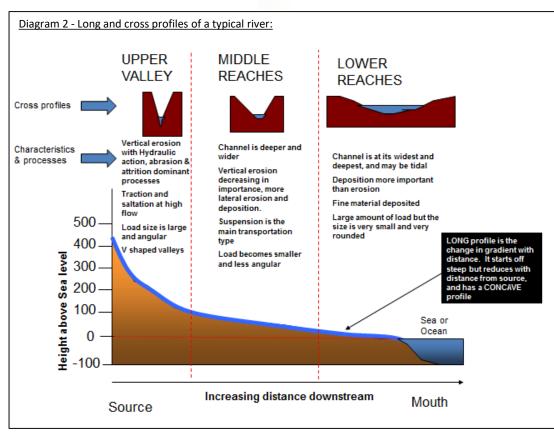


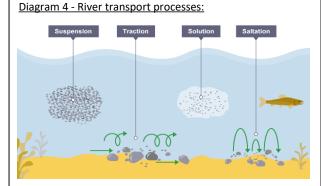
## YEAR 7- LENT TERM - GEOGRAPHY - RIVERS











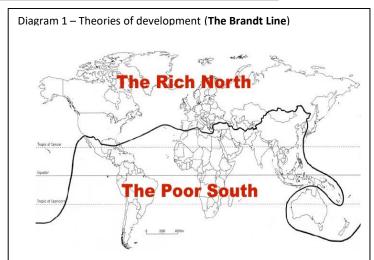


# YEAR 7- LENT TERM - GEOGRAPHY - DEVELOPMENT



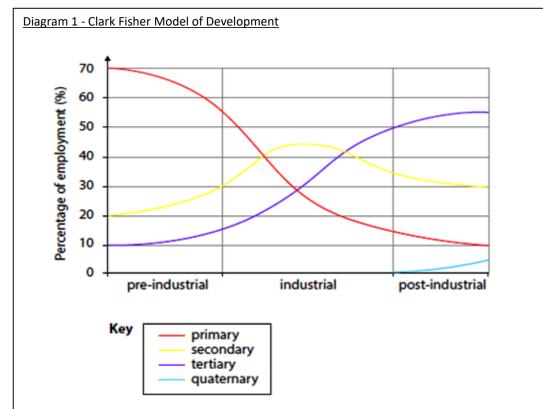
| 1  | Population density   | How many people per 1 sq km.  | 18 | Primary                      | Raw materials taken from the ground or sea. Jobs include farmer, fisherman, miner.                             |
|----|----------------------|---|----|------------------------------|--|
| 2  | Densely<br>populated | Highly populated region.  | 19 | Secondary                    | Raw materials manufactured into a different product. These are factory jobs.                                   |
| 4  | Sparsely populated   | Few people in a region.   | 20 | Tertiary                     | Supplying a service. Jobs include shop assistant, teacher, doctor, bar staff.                                  |
| 5  | Distribution         | Pattern of where things are located.  | 21 | Quaternary                   | Research and development. Inventing a new product. Jobs include scientists.                                    |
| 6  | Oil / gas fields     | Oil and gas are fossil fuels. Created from prehistoric plants and animals. Extracted from the ground and sea bed. | 22 | Industrialization            | When a mainly agricultural economy becomes a mainly manufacturing economy.                                     |
| 7  | Oil / gas pipes      | Pipes that transport oil.   | 22 | Agriculture                  | Farming  |
| 8  | Vessel               | A ship  | 23 | Transnational Corporation    | A company that has operations in more than one country.  |
| 9  | Piracy               | The practice of attacking and robbing ships at sea.   |    | (TNC)                        |  |
|    |                      |   | 24 | Megacity                     | City with a population of more than 10million people.  |
| 10 | Holistic<br>approach | Takes into account a range of social, economic and environmental factors.   | 25 | Push factors                 | Negative factors pushing people away from an area.   |
| 11 | Composite            | Made up of different factors.   |    |                              |  |
|    |                      |   | 26 | Pull factors                 | Positive factors attracting people to an area.   |
| 12 | Social               | To do with people and society.  |    |                              |  |
|    |                      |   | 27 | Informal sector              | The government doesn't know you are working. 'employees'   |
| 13 | Economic             | Anything connected to money.  |    |                              | do not have a contract or pay tax. Very low wages, low skills and dangerous work.                              |
| 14 | Environmental        | Anything connected to natural landscapes.   | 28 | Formal sector                | The government knows you are working. You have a contract and pay taxes. Jobs are usually more highly skilled. |
| 15 | Life<br>expectancy   | The average amount of time a person lives to.   | 29 | Natural increase             | When the number of births outnumber the number of deaths.  |
| 16 | Fertility rate       | The average number of children a woman will have in her lifetime.   | 30 | Slums                        | Illegal settlements.   |
| 17 | Infant<br>mortality  | Average number of babies who will die before they are 1 year old per 1000 live births.                            | 31 | Gross domestic product (GDP) | Total value of goods and services produced by a country in a year.   |





In 1980 the Brandt Report was published by Willie Brandt. He divided the world into two the Rich North (Europe, North America, Japan and Australia) and the Poor South (Africa, South America and Asia). However, since this was written much has changed and we now have "emerging countries" like Brazil, Mexico, India and China that are increasingly becoming more economically powerful.

Table 1 - How does Nigeria compare to the UK? UK **Development** Nigeria indicator 66 000 000 **Total population** 190 000 000 \$39 720 GDP per capita \$1,968 US 80.9 years Life expectancy 55.4 years 99% Literacy Rate 65.1% 3 per 1000 201 per 1000 Infant morality rate 1.8 Fertility rate 5.67 40 years 18.3 years Average age



- Mid 1990s produced a theory of development.
- · Low economy countries were dominated by the primary industries (farming and mining)
- Middle income countries were dominated by the secondary sector (manufacturing) and
- High income countries were dominated by tertiary and quaternary sector jobs i.e. banking, legal services and leisure.
- As society develops and receives investment people move away from subsistence farming and primary sector jobs.
- They use money to mechanise farming
- During the industrial period people begin to work in factories.
- With an improved education more people can then work in the tertiary sector and higher wage demands means factories move to emerging countries.

20

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quartered

| <u>year</u> | <u>7 — LENT TERN</u> | <u>M — HISTORY — MEDIEVAL SOCIETY</u>  |
|-------------|----------------------|--|
| Key T       | erms                 |  |
| 1           | Crusades             | Religious wars fought over control of the Holy Lands.  |
| 2           | Tyrant               | A ruler who refuses to share their power, and governs in a cruel and oppressive way.   |
| 3           | Excommunic ation     | Expulsion from the Catholic Church by the Pope   |
| 4           | Magna Carta          | A series of promises, meaning 'the Great Charter',<br>the Barons forced King John to sign in 1215.                                 |
| 5           | Angevin<br>Empire    | Term to describe England and France under the rule of Richard and John.  |
| 6           | Great<br>Council     | Assembly of church leaders and wealthy landowners who met with the king to discuss national affairs.                               |
| 7           | Physician            | A term for a doctor  |
| 8           | Four<br>Humors       | Theory about the cause of illness developed by Greek doctor Hippocrates. The four were: Phlegm, Yellow bile, Black Bile and Blood. |
| 9           | Black Death          | A plague that devastated Europe in the fourteenth century.   |
| 10          | Buboes               | Onion shaped swellings that were usually the first symptom of the Black Death.   |
| 11          | Miasma               | Theory that disease was caused by a poisonous cloud of 'bad air'.  |
| 12          | Bubonic<br>plague    | The most common type of plague, named after the buboes and caused by the spread of bacteria.                                       |
| 13          | Pneumonic<br>plague  | A more deadly type of plague that attacked the lungs.  |
| 14          | Bleeding             | Draining excess blood from a patient that is considered poisonous to the body.   |
| 15          | Lancing              | Using a sharp tool to 'pop' a boil or bubo.  |
| 16          | Flagellant           | A religious sect that punished themselves for sins by whipping their bodies.   |
| 17          | Revolt               | To take violent action against an established government or ruler; rebel.  |
| 18          | Peasants'<br>Revolt  | Major uprising across England in 1381. Yeomen - a new class in medieval England; commoners who farmed their own land.              |
| 19          | Poll Tax             | Everyone (rich and poor) paid the same amount  |

Punishment for treason. Victims are hanged, cut down and body cut into 4

quarters and spread across the kingdom.



|   | Key people       |   |
|---|------------------|---|
| 1 | Richard I        | -Significant Christian leader and British King (known as Richard lion heart).   |
|   | Menara 1         | -Known for being a talented military leader, a sensible decision maker and skilled peacemaker.  |
| 2 |                  | -Inherited the <u>Angevin Empire</u> (England and France) from Richard I (his brother).   |
|   | King John        | -His brother had left him problems in France to deal with and lots of Debt, by 1215 his Barons had had enough and   |
|   |                  | declared a war on him.  |
| 3 | Richard II       | -King at 10years old (His uncle helped him rule)After the Black Death he implemented a Poll Tax to raise money for a war with France, this was unpopular and led to the Peasant's Revolt. |
| 4 | Wat Tyler        | -Leader of the peasant's revolt. He met with Richard II on<br>15 June 1381 and was killed in the meeting leading to the<br>end of the peasants' revolt.                                   |
| 5 | Simon<br>Sudbury | Archbishop of Canterbury from 1375 until his death, and in the last year of his life Lord Chancellor of England . Killed in the Peasants' Revolt.   |

| Key events |                                |   |
|------------|--------------------------------|---|
| 1          | The Black<br>Death, 1348       | A plague wipes through Europe and is introduced to England via Dorset. Approximately 1/3 of the population die from this disease and this allows for a change in the typically hierarchical feudal society in England.  |
| 2          | The Peasants'<br>Revolt , 1381 | Having lost such a large section of the population during the Black Death, landowners found it very difficult to find enough peasants to work their land. Peasants knew they were in demand and began to demand higher wages. King Edward III tried to stop this with the Statute of Labourers (a law) which fixed peasant wages at the pre-Black death rate. The peasants' revolted and challenged feudal England. |

# <u>YEAR 7 — LENT TERM — HISTORY — TUDOR ENGLAND</u>



| A timeli | A timeline of Henry VIII's reign  |  |  |
|----------|---|--|--|
| 1491     | Henry is born at Greenwich Palace   |  |  |
| 1509     | Henry becomes King and marries Catherine of Aragon  |  |  |
| 1531     | Henry makes himself head of the Church in England.  |  |  |
| 1533     | Henry divorces Catherine and marries Ann Boleyn.  |  |  |
| 1536     | Dissolution of the Monasteries begins. Henry executes Ann and marries Jane Seymour. The Pilgrimage of Grace is brutally suppressed. |  |  |
| 1537     | Henry's son Edward is born. Jane dies giving birth.   |  |  |
| 1540     | Thomas Cromwell executed  |  |  |

| Why did Henry | VIII break from Rome?  |
|---------------|--|
| 1. Succession | Henry desperately needed an heir to ensure a peaceful and stable       |
|               | succession. By the late 1520s he no longer believed that his wife      |
|               | Catherine of Aragon could provide him with a son.                      |
| 2. Love       | Henry had fallen in love with one of his wife's ladies in waiting Anne |
|               | Boleyn. Anne did not want an affair but marriage.                      |
| 3. Power      | Henry's ministers had been unable to get the Pope to agree to grant    |
|               | the divorce. This was humiliating. Henry believed that Kings should    |
|               | have power over the church in their own country.                       |
| 4. Money      | The Church was extremely wealthy because of tithes donations and       |
|               | the amount of land they owned. Henry was quite poor from his wars      |
|               | with France and needed money to fight future wars.                     |
| 5. Religious  | Some people criticised the Catholic Church for being corrupt. These    |
| beliefs       | were known as Protestants. Many of the supporters of Anne Boleyn       |
|               | were Protestant.   |

| Kε | Key words |  |     |                      |  |    |                  |  |            |
|----|-----------|--|-----|----------------------|--|----|------------------|--|------------|
|    | 1         | A law which made Henry head of the church in England                 | 1 1 | Church of<br>England | The Christian church in England. The king or queen is head of this church    | 15 |                  | A person who inherits the rank/property of another on that person's death. The person who inherits the throne. |            |
| 2  | 1 1       | Henry's second wife, executed for treason                            | 9   | Edward VI            | The son of Henry VIII. A sickly boy who died young.                          | 16 | Pope             | The head of the Catholic church in Rome  |            |
| 3  |           | Henry's fourth wife. He<br>divorced her because he found<br>her ugly | 1 1 | Elizabeth I          | The younger daughter of Henry VIII.<br>Became a powerful queen of England.   | 17 |                  | A Christian who disagreed with the teachings of the Catholic church  |            |
|    | 1         | Henry's fifth wife. Executed for treason.                            | 11  | Henry VII            | A powerful king and the father of Henry<br>VIII                              | 1  |                  | A close friend and adviser of Henry, who was later executed for treason  |            |
|    | Aragon    | Henry's first wife. Divorced after she failed to produce a son.      | 12  | •                    | King of England famed for having six wives                                   |    | Thomas<br>Wolsey | An important priest who worked for Henr  | r <b>y</b> |
| 1  | 1         | Henry's sixth wife. She looked after him in his old age.             | 1 1 |                      | Henry's third wife who died giving birth to his son                          | 20 |                  | Henry's childhood teacher. Refused to support Henry becoming head of the church and was executed               |            |
| 7  | 1         | People who believed the Pope should be head of the Church.           | 14  |                      | First daughter of Henry VIII. Became queen after her brother Edward VI died. | 21 | Tudors           | The family of Henry VIII   | 22         |



|    | Vocabulary            |  |  |
|----|-----------------------|--|--|
| 1  | Evil                  | A cause of human suffering.  |  |
| 2  | Suffering             | Is the bearing or undergoing of pain or distress.  |  |
| 3  | Moral evil            | The acts of humans which are considered to be morally wrong  |  |
| 4  | Natural evil          | natural disasters, such as earthquakes or tsunamis.  |  |
| 5  | omnipotent            | The all-powerful, almighty and unlimited nature of God.  |  |
| 6  | Omnibenevolent        | All-loving and infinitely good – a characteristic often attributed to God.                           |  |
| 7  | Free-will             | The ability to make choices voluntarily and independently. The belief that nothing is predetermined. |  |
| 8  | Sin                   | Any action or thought that goes against God  |  |
| 9  | Original sin          | The tendency to sin in all human beings, believed to be inherited from Adam, 'the first man'.        |  |
| 10 | Theodicy              | A religious explanation for the existence of both God and evil and suffering.                        |  |
| 11 | Inconsistent<br>triad | Three ideas but only two of them can be true   |  |
| 12 | Reconciled            | The idea that people should make up after an argument and be restored in their relationship.         |  |
| 13 | Philosopher           | A person who studies wisdom.   |  |

#### Job

In the Old Testament there is a book call Job about a man named Job who was described as being 'a good man, careful of not doing anything evil', and was faithful to God. Job had a wife and many children, along with land and animals. Satan was given permission by God to test Job's faith. Job lost many people and things, but still remained faithful to God. Job also became poor in health but still remained faithful to God. Even though others told job to turn his back on God, he did not. Job passed the test by remaining faithful to God. He was then rewarded by God, Job was blessed with double the things he had lost.

Christians believe the story of Job teaches that often humans go through suffering as a test of their faith.

#### The Greek philosopher Epicurus (342-271 BCE)

Epicurus claimed that if God cannot stop evil then he is not all-powerful (omnipotent). He then argued that if God can prevent evil but does not, then God is not good or all-loving. He linked these two points together, claiming that if God is all-powerful and good, then evil would not exist

Finally, human experience is that evil does exist. Therefore Epicurus concluded that God must not exist.

#### The inconsistent triad

The problem of evil can be regarded as an 'inconsistent triad' – in other words, three ideas but only two of them can be true.

As there is clear evidence and experience of evil, either God is not all-powerful (ie He cannot stop evil) or God is not loving and good (ie He does not love us or care enough to stop evil).



Evil exists

Christians may give one or more of the following answers:

- God has given people <u>free will</u>. He has shown people how they should obey the <u>Ten Commandments</u> and follow Jesus' life and teaching. It is then up to human beings to decide whether or not to follow God's instructions.
- God has a plan for people's lives that they may not always understand. This may include evil and suffering but Christians should trust and have faith in God's plan.
- God wants people to follow the example of Jesus and help those who are suffering. God must have a reason for allowing evil and suffering but the reason is beyond human understanding.
- Christians also pray for those who suffer and try to help them.
- Evil and suffering in this life is a preparation for Heaven. Evil and suffering give people a chance to become better people and improve their souls. They believe that God will reward them in Heaven.

#### Irenaeus' soul-making theodicy

Irenaeus stated that God made humans imperfect and is therefore partly responsible for the existence of evil. To make humans perfect would take away their freedom to live in accordance with God's will. By creating imperfect humans, individuals are given the chance to develop and grow through a soul-making process into "children of God". Irenaeus stated that eventually good will overcome evil and suffering.

#### Augustine's soul-deciding theodicy

Augustine believed that all humans were created perfect and that they were given <u>free will</u>. However humans use that free will to turn away from God and choose to sin. God foretold that this fall would happen and therefore sent his son, Jesus Christ, so that humanity may be <u>reconciled</u> with God. Augustine's <u>theodicy</u> bases the origin of evil and suffering on humanity and takes that responsibility away from God.

# YEAR 7— LENT TERM- RELIGIOUS EDUCATION —JUDAISM

|    | -                      |   |  |
|----|------------------------|---|--|
|    |                        | Judaism - History and Belief  |  |
| 1  | synagogue              | The place where Jews meet. It literally means 'assembly'. The leader of a synagogue is called a <b>rabbi</b> .  |  |
| 2  | Tanakh                 | The Jewish holy book. It contains the <b>Torah</b> (law) which is the most important holy text for Jews. It also contains the nevi'im (prophets) and Ketuvim (writings). It was written in <b>Hebrew</b> .  |  |
| 3  | covenant               | An agreement or promise between God and people.   |  |
| 4  | patriarchs             | The three founding fathers believed to be physical & spiritual ancestors of all Jews (Abraham, Isaac and Jacob).  |  |
| 5  | Promised Land          | An area of land given to the Israelites by God in the Torah.  |  |
| 6  | The Temple             | The building in Jerusalem where Jews worshipped before synagogues. It was destroyed by the Babylonians in 586 BCE and rebuilt after Jews returned from the Babylonian exile. The Romans destroyed the Second Temple in 66 CE. <b>The Western Wall</b> is all that remains today and is a popular pilgrimage site. |  |
| 7  | Ark of the<br>Covenant | The box that housed the two tablets of stone on which the original Ten Commandments were written. It was kept in the <b>Holy of Holies</b> in the first Temple, but went missing during the Babylonian exile.   |  |
| 8  | Messiah                | A word used to refer to a future king descended from King David who would return Jews to Israel, bring peace, build the Third Temple and have a son who would be his heir. Some Jews are still waiting for the Messiah to come.   |  |
| 9  | yad                    | A pointer used to read the Torah in the synagogue.  |  |
| 10 | Mitzvot                | Jewish laws (there are 613 in total); the singular is mitzvah.  |  |
| 11 | Talmud                 | A collection of teachings from rabbis giving more information about the Torah.  |  |
| 12 | kashrut                | Jewish food laws.   |  |
| 13 | kosher                 | Food that is acceptable for Jews to eat according to kashrut; the word literally means 'fit'.   |  |
| 14 | trefah                 | Food that Jews are forbidden to eat.  |  |
| 15 | Ark                    | A cupboard in a synagogue where the handwritten Torah scrolls are stored.   |  |
| 16 | Ner tamid              | A symbolic light in front of, or above the Ark; it means everlasting light.   |  |
| 17 | bimah                  | The platform in the synagogue where the Torah scrolls are read from.  |  |
| 18 | The Shema              | The most important prayer in Judaism. Often found in a small box attached to doorposts in Jewish homes known as a <b>mezuzah</b> .  |  |
| 19 | kippah                 | A head covering worn during prayer.   |  |
| 20 | tallit                 | A shawl with 613 tassels worn during prayer to symbolise being wrapped in God's will.   |  |
| 21 | tefillin               | Two boxes worn during prayer, which contain verses from the Torah.  |  |



|    |                     | Judaism in the Modern World  |  |
|----|---------------------|--|--|
| 22 | Shabbat/Sabba<br>th | A day of rest once a week. It literally means 'ceasing'.   |  |
| 23 | Pesach/Passov<br>er | A festival when Jews remember the Angel of Death passing over the houses of the Israelites and freedom from slavery.                     |  |
| 24 | Seder Meal          | A symbolic meal shared by families during Pesach/Passover.   |  |
| 25 | Rosh Hashanah       | The first day of the Jewish new year; 'Day of Judgement'.  |  |
| 26 | shofar              | A ram's horn blown on Rosh Hashanah to remind Jews that God will judge their actions.  |  |
| 27 | Yom Kippur          | Day of Atonement; the holiest day of the year where Jews confess their wrongdoing.   |  |
| 28 | circumcision        | The removal of a baby boy's foreskin after eight days as a sign of God's covenant with Abraham.  |  |
| 29 | mohel               | Someone who is medically and religiously qualified to perform a circumcision.  |  |
| 30 | Bar Mitzvah         | A ceremony for boys at the age of 13; it literally means 'son of the commandments'.  |  |
| 31 | Bat Mitzvah         | A ceremony for girls at the age of 12 or 13; it literally means 'daughter of the commandments'.  |  |
| 32 | Seven blessings     | Blessings recited by the rabbi and congregation at a wedding ceremony.   |  |
| 33 | Pikuach Nefesh      | The principle that nearly any religious law can be broken in order to preserve human life.   |  |
| 34 | persecution         | Discrimination against people because of their beliefs.  |  |
| 35 | anti-Semitism       | Persecution of Jewish people.  |  |
| 36 | Holocaust           | The killing of six million Jews by Nazi Germany. Jews sometimes call this the Shoah, meaning calamity or catastrophe.                    |  |
| 37 | Free will           | The ability to choose how to act.  |  |
| 38 | Hester panim        | The idea of Orthodox rabbi Eliezer Berkovitz that God 'hid his face' during the Holocaust because he could not interfere with free will. |  |
| 39 | Israelis            | People who live in Israel and are mainly Jewish.   |  |
| 40 | Palestinians        | People who live in an around the state of Israel and are mainly Muslims.   |  |
| 41 | Zionism             | A Jewish movement that originally aimed to establish, and now aims to continue, the Jewish state of Israel.                              |  |

## YEAR 7— LENT TERM- RELIGIOUS EDUCATION —JUDAISM



#### Box 3:

#### One God:

- The Jewish belief about God can be put very simply. There is only one God.
- He created the world and He sees and knows everything.
- God gave them his laws for two reasons:
  - 1. So that they would know how to worship Him;
  - 2. So that they would be able to show other people how to live in a kind and caring way.
- Jews believe that this relationship with God will continue only so long as they remain faithful to Judaism.

#### Box 4: Groups within Judaism

| Orthodox Jews (includes Hasidic Jews)   | Conservative Jews  | Reform Jews &<br>Liberal Jews   | Secular Jews  |
|---|--|---|---|
| Jews who believe in maintaining the traditional beliefs and practices of Judaism and the laws given by God. | Jews who preserve rituals and traditions but are more flexible in interpreting Jewish laws than Orthodox Jews. | Two different groups within Judaism who share the beliefs that Judaism can change or modernise over time. | Jews who are<br>born into the<br>religion, but<br>do not believe<br>in God. |

#### Box 5:

#### The Messiah:

- 1. Jews look forward to the coming of the Messiah, God's messenger of peace.
- 2. Then everyone will obey God's commandments.
- 3. When this happens, the world will be at peace.
- 4. Christians believe that Jesus was the Messiah. But Jews look at the world today and say that they are still waiting.
- 5. They are waiting for a human being who will be so special that he will bring everyone together.
- 6. There are different ideas of what the Messiah might be like, and some Jews see this as a spiritual force that will improve the world, rather than a special man.

#### Box 6:

## Source of Wisdom and authority 1 – part 1: (Encouragement)

(Psalm 23.1-6)

- 1. The LORD is my shepherd, I lack nothing.
- 2. He makes me lie down in green pastures, he leads me beside quiet waters,
- 3. he refreshes my soul. He guides me along the right paths for his name's sake.

#### **Box 7:**

## Source of Wisdom and authority 1 – part 2: (Encouragement)

(Psalm 23.1-6)

- 4. Even though I walk through the darkest valley, I will fear no evil, for you are with me; your rod and your staff, they comfort me.
- 5. You prepare a table before me in the presence of my enemies. You anoint my head with oil; my cup overflows.
- 6. Surely your goodness and love will follow me all the days of my life, and I will dwell in the house of the LORD forever.

#### **Box 8:**

## Source of Wisdom and authority 2: (Recited at difficult times)

(Psalm 22.1-2)

- 1. My God, my God, why have you forsaken me? Why are you so far from saving me, so far from my cries of anguish?
- 2. My God, I cry out by day, but you do not answer, by night, but I find no rest.

#### **Box 9:**

#### Source of Wisdom and authority 3: (Wisdom)

(Proverbs 4.5-7)

- 5. Get wisdom, get understanding; do not forget my words or turn away from them.
- 6. Do not forsake wisdom, and she will protect you; love her, and she will watch over you.
- 7. The beginning of wisdom is this: Get wisdom. Though it cost all you have, get understanding.

## YEAR 7— LENT TERM- PHYSICAL EDUCATION— FOOTBALL



#### **BASIC RULES**

- **1.** How do you start a football match? The football game is started by a kick off in the centre of the pitch.
- **2.** What's the number of players on each side during a professional match? In a full sided game each team consists of 11 players.
- **3. What happen when the ball goes off at the side of the pitch?** If the ball goes off the side of the pitch it is a throw in to the team that didn't touch the ball last.

#### 4. What happen if the ball goes off at the end of the pitch?

If the ball goes off the end of the pitch it is a corner or a goal kick depending who the ball touched last.

#### **KEY TERMINOLOGY**

#### 4. What is meant by the term offside?

If a player is past the opponent's last defender and in the opposition half when the ball is passed they are offside and an indirect free kick is awarded to the opposition team.

#### 5. What is meant by the term free-kick?

The referee stops the game and place the ball where a foul or infringement occurred, either direct, from which a goal may be scored, or indirect, from which the ball must be touched by at least one other player for a goal to be allowed

#### 6. What is meant by the term marking?

This is where you mark someone on the other team when they have the ball in order to make it harder for them to make a pass or to get free into a space to receive the ball.

#### 7. What is meant by the term VAR?

The video assistant referee (VAR) is a match official in association football who reviews decisions made by the head referee with the use of video footage and a headset for communication.

#### **TEACHING POINTS FOR PASSING**

#### 8. What are the teaching points for the SHORT PASS?

- Non kicking foot next to the ball
- Use the side of the kicking foot to contact the ball following a short back swing
- Keep head over the ball to improve accuracy and ensure ball stays on the ground
- Follow foot through to generate more power

#### 9. What are the teaching points for the LONG PASS?

- Non kicking foot next to the ball
- use the front (laces) of the kicking foot to contact the ball following a bigger back swing (flexion of the knee)
- keep head over the ball to improve accuracy of the pass
- lean back slightly to help generate height if required on the pass
- follow foot/leg through to generate more power.

#### 10. What are the teaching points for a HEADER?

- Keep eyes focused on the ball when preparing to header
- use the forehead to contact the ball
- move feet to ensure body is slightly behind the ball before heading
- use neck to generate more power on the header
- defensive headers are normally headed high with increased distance whereas attacking headers on goal are normally headed down to make it more difficult for the goal keeper to save
- Perform a jump before the header to increase power and give yourself more chance of beating the opponent to the header.

#### **FULL FOOTBALL POSITIONS**

- 1. Goalkeeper
- 2. Wing-Back
- 3. Full-back
- 4. Sweeper
- 5. Centre-back
- 6. Defensive midfielder
- 7. Winger
- 8. Central Midfielder
- ). Striker
- 10. Attacking Midfielder
- 11. Forward



## YEAR 7— LENT TERM- PHYSICAL EDUCATION — BASKETBALL



| <u>YEAK /— LENI IEKM- PHYSICAL EDUCATION — BASKETBALL</u>  | Trinty LEAKNING - LUVING - LIVIN  |  |  |
|--|---|--|--|
| Key skills:  | Rules, techniques, tactics:   |  |  |
| 1. How do you dribble? Head up, spread fingertips over ball, bounce at waist height.   | 12. How many players are on the court during a game? A game is played between 2 teams with 5 players on the court.  |  |  |
| 2. How do you perform a chest pass? W shape behind ball, chest height, follow through.   | <b>13. What is the aim?</b> Players are aiming to score as many points in the time allocated by shooting through the hoop.  |  |  |
| <b>3. How do you perform a bounce pass?</b> As a chest pass but ball will bounce before player.  | <b>14. Can you move with the ball?</b> Players cannot travel with the ball or perform a double dribble (dribbling, picking up the ball, continuing to dribble). Players cannot hold the ball for longer than 5 seconds.   |  |  |
| <b>4. How do you demonstrate a set shot?</b> knees bent, strong hand on bottom of ball, other hand supporting, extend elbow to 90 degrees towards net.                   | 15. What happens if the ball goes out of court or if a point is scored? If the ball goes  |  |  |
| <b>5. How do you demonstrate a lay up?</b> Strong hand on the bottom of ball, other hand supporting. Right right hand dribble, step right, jump left, aim for            | out of court then a side line ball is taken by the opposite team. If a point is scored the ball goes to the opposition from the backline.   |  |  |
| top corner of black box.   | 16. What happens after the ball has crossed the mid line of the court in an offensive   |  |  |
| <b>6. How do you perform a jump shot?</b> Landing on alternate feet, first foot to land is static and pivots, ball must be released as jump is executed.                 | <b>situation?</b> Once the offense (attacking team) has brought the ball across the mid line of the court, they cannot go back across the line during possession.   |  |  |
| 7. How do you man to man defend? Knees bent, straight back, arms out,  | 17. What is a foul given for? Hitting, holding or pushing an opponent.  |  |  |
| follow player (watch their belly button).  What is zone marking? A strategy of team defense often used around the key. Prevents attacking players getting into the zone. | <b>18. What happens if the shooter is fouled?</b> 1 – 3 free throws can be awarded worth 1 point each.  |  |  |
| 8. What is rebounding? Regaining possession after a shot has been missed.  | 19. How long does a basketball game last? A game is made up of 4 quarters of 12 minutes so a total of 48 minutes. However regulation time is stopped for many aspects of gameplay including fouls, ball out of bounds and timeouts so a game can be up to 2 and a half hours! |  |  |
| 9. What is the offence? The team with the ball are the offending team and are aiming to shoot at the basket and score. only chance that the team has a                   |   |  |  |
| shot at the basket and scoring.  | 20. How is basketball scored?   |  |  |
| <b>10. What is the defense?</b> Preventing an opportunity for the opposition to score.   | 3 points are awarded if the ball is successfully shot through the hoop form behind the 3 point arc (see court diagram).  2 points are awarded if the ball is successfully shot within the 3 point arc.  |  |  |
| 11. What is an assist? Helping a teammate to score.  | 1 point is awarded if the bair's successfully shot within the 3 point arc.  1 point is awarded if a foul is committed and they score their penalty shot. A player is  |  |  |
| 1. DRIBBLING 2. CHEST PASS   | given one point for every successful foul shot.   |  |  |
| 3. BOUNCE PASS   |   |  |  |

## YEAR 7— LENT TERM- PHYSICAL EDUCATION — NETBALL



#### **TEACHING POINTS FOR PASSING BASIC RULES** 1. What is the footwork rule? Once a netball player puts their first foot down 8. What are the teaching points for the CHEST PASS? they then can't pick this foot up and put it back down again whilst holding the Ball should be released at chest height. ball (cannot walk with the ball). Fingers spread around the ball in W shape. Elbows tucked in (no chicken wings) 2. What is obstruction? You cannot stand within a metre (three feet) of the Transfer weight forward and push the ball. person holding the ball. Feet must be 1 metre away from them, then you are Extend and follow through with arms, wrists and fingers. allowed to raise your hands to mark. If you raise your hands before your feet are Path of ball should be flat and fast. far enough away this is called 'arms before distance' and a free pass is given to the other team.

- **3. What is contact?** You are not allowed to contact any part of the player or the ball during the game. If you touch them then a free pass is given to the other team.
- 4. How do you score in endball?

You have to pass to someone on your team and they have to be over the line and catch the ball without dropping it.

#### **KEY TERMINOLOGY**

#### 4. What is meant by the term interception?

Where you stop the ball in the middle of the air going between two players of the opposite team (like piggy in the middle). You can either knock it off course, or catch it to gain possession.

5. What is meant by the term dodging?

Where you manage to lose your opponent and get into a space. You can use a sprint or fake dodge and you must use agility – changing direction at SPEED in order to lose your opponent effectively?

6. What is meant by the term marking?

This is where you mark someone on the other team when they have the ball in order to make it harder for them to make a pass or to get free into a space to receive the ball.

7. What is meant by the term <u>crowding?</u>

This is something you should avoid in netball. You shouldn't all crowd around in the same space, but move to an open area on the court so that it is easier to receive the ball or run into a space.

### 9. What are the teaching points for the BOUNCE PASS?

- Feet shoulder-width apart in opposition, with knees bent.
- Place hands each side and slightly behind the ball, with the fingers comfortably spread.
- Hold the ball at waist level, with elbows tucked in.

### 10. What are the teaching points for the SHOULDER PASS?

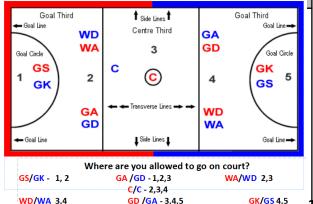
- Player's feet should be **shoulder** width apart in opposition.
- Opposite foot forward to throwing arm.
- Stand on balls of feet with toes pointing toward target, and knees slightly bent.
- Hold the ball at head height, slightly behind your head.
- Elbow should be at a 90° angle.
- · Fingers spread behind the ball.

#### **FULL NETBALL POSITIONS**

11. Number of players?

12. Names of positions?

Goal Shooter (GS), Goal Attack (GA), Wing Attack (WA), Centre (C) Wing Defence (WD), Goal Defense (GD) Goal keeper (GK).



# YEAR 7 — LENT TERM- SORTING AND SEARCHING ALGORITHMS



| Key vocabulary |  |
|----------------|--|
| Linear Search  | Data may be in any order to complete a linear search. Each item is inspected in turn to see whether it is what is being searched for. If an item is found, then True is returned, else the next element is inspected until all items have been searched. If nothing is found by the end of the algorithm then False is returned. |
| Binary Search  | If a list is sorted (numerical or alphabetical order) then a more efficient algorithm can be used. It works by repeatedly dividing the list into half and searching in the appropriate half.   |

| Ke | y terms- Sorting  | erms- Sorting   |  |  |
|----|-------------------|---|--|--|
| 1  | Bubble sort       | Works by repeatedly going through the list to be sorted, comparing each pair of adjacent elements. If the elements are in the wrong order they are swapped, else they are left in position.   |  |  |
| 2  | Insertion<br>sort | Sorts data one element at a time. The algorithm takes one data item from the list and places it in the correct location in the list. This process is repeated until there are no more unsorted items in the list. More efficient than bubble sort.                                  |  |  |
| 3  | Merge sort        | This is a two-stage sort. Firstly the list is split in half into sub lists repeatedly. The algorithm stops splitting the lists when each list has only 1 element in it. The second stage involves repeatedly merging the lists in order until there is only one sub list remaining. |  |  |

| Data types |  |          |  |
|------------|--|----------|--|
| Data Type  | Data Type This indicates how the data will be                                |          |  |
|            | stored. The most common data types are                                       |          |  |
|            | integer, string, and float/real.   |          |  |
| String     | A combination of letters, numbers or<br>characters. (eg, Hello, WR10<br>1XA) | str(x)   |  |
| Integer    | A whole number. (eg. 1, 189)   | int(x)   |  |
| Float/Real | A decimal number, not a whole number. (eg. 3.14, -26.9)                      | float(x) |  |
| Boolean    | 1 of 2 values. (eg. True, False, Yes,<br>No)                                 | bool(x)  |  |
| Char       | A single character   | char(x)  |  |

|   | Key t | erms- Programming | 3  |
|---|-------|-------------------|--|
| 1 | 1     | Python            | A programming language used to write programs.                           |
| l | 2     | Shell             | The place where code is run.   |
|   | 3     | Code editor       | The place where code is written.   |
|   | 4     | Programming       | The process of writing computer programs.                                |
|   | 5     | Algorithm         | A set of rules/instructions to be followed by a computer system.         |
|   | 6     | Flowchart         | A visual method of planning an algorithm using symbols.                  |
|   | 7     | Pseudocode        | A language similar to English which is used to plan algorithms.          |
|   | 8     | Code              | The instructions that a program uses.                                    |
|   | 9     | Sequence          | Parts of the code that run in order and the pathway of the program reads |
|   |       |                   | and runs every line in order.  |
|   | 10    | Selection         | Selects a pathway through the code based on whether a                    |
|   |       |                   | condition is true.   |
|   | 11    | Iteration         | Code is repeated (looped), either while something is true or             |
|   |       |                   | for a number of times.   |
|   | 12    | Variable          | A value that will change whilst the program is executed. (eg.            |
|   |       |                   | temperature, speed)  |
|   | 13    | Function          | A collection of code that works outside the main program. These are      |
|   |       |                   | created to speed up programming. They can be                             |
|   |       |                   | called from a single line of code at any time.                           |
|   | 14    | Comparative       | A symbol used to compare multiple values.                                |
|   |       | Operator          |  |
|   | 15    | Arithmetic        | A symbol used to manipulate numerical values.                            |
|   |       | operator          |  |
|   | 16    | Syntax            | The punctuation/way that code has to be written so that the computer     |
|   |       |                   | can understand it. Each programming                                      |
|   |       |                   | language has its own syntax.   |
|   | 17    | Syntax error      | An error produced when the computer cannot understand the code which     |
|   |       |                   | has been written.  |
|   | 18    | Logic error       | An error produced when a program is understood by the                    |
|   |       |                   | computer but does not perform as the programmer expects.                 |
|   |       | 1                 | <u> </u>   |

## <u>YEAR 7 — LENT TERM- PROGRAMMING</u>



| Python -> English                       |  |
|---|--|
| print("hello!")                         | Printsa value on screen (in thiscase, hello!)  |
| input("")                               | Inputs a value into the computer.  |
| x = input("")                           | Inputs a value and stores it into the variable x.  |
| x = int(input(""))                      | Inputs a value into x, whilst also making it into an integer.  |
| answer = x + y                          | Savesthe result of x and y added together in a variable named answer.  |
| <pre>print(str(x))</pre>                | Printsthe variable x, but convertsit into a string first.  |
| print("Hello", "World")                 | Prints the two strings concatenated with a space between.<br>This code would output "Hello World".   |
| age = 12<br>print("Age: " + str(age))   | The + joins together two variables when printing. Str has to be used to cast age to be a string. This code will output "Age: 12".                            |
| if name == "Fred":                      | Decides whether the variable 'name' ha a value which is equal to 'Fred'.   |
| else:                                   | The other option if the conditions for an if statement are not met (eg. name = 'Bob' when it should be Fred)   |
| elif name == "Tim":                     | elif (short for else if) is for when the first if condition is not met, but you want to specify another option.  |
| # COMMENT                               | # is used to make comments in code—any line which starts with a # will be ignored when the program runs. They are used to describe the code to a programmer. |
| for i in range(0,10): # WRITE CODE HERE | Repeats any code indented after this line a set number of times, in this case, 10.   |
| while x < 10:<br># WRITE CODE HERE      | Repeats any code indented after this line until a condition is met, in this case x becoming equal to or greater than 10.                                     |
| list = ["",""]                          | Creates a variable and makes it an array — a list which can store many values.   |

| MOD | Modulus e.g. 12MOD5 gives 2      |
|-----|----------------------------------|
| DIV | Quotient e.g. 17DIV5 gives 3     |
| ^   | Exponentiation e.g. 3^4 gives 81 |

| Comparat | tive operators                 |  |
|----------|--------------------------------|--|
| ==       | Equal to                       |  |
| !=       | Not equal to (or different to) |  |
| >        | Greater than                   |  |
| <        | Less than                      |  |
| >=       | Greater than or equal to       |  |
| <=       | Less than or equal to          |  |

num1 = float(input("Enter the
first number: "))
num2 = float(input("Enter the
second number: "))
if num1 > num2:
 print (num1, " is greater than
", num2)
if num1 < num2:
 print (num2, " is greater
than", num1)
if num1 == num2:
 print (num1, "is equal to",
num2)</pre>

| Validation Type | Where | Reason  |
|-----------------|-------|---|
| Presence check  | Sales | To make sure that each time the number of sales for each month is entered rather than having blank entries. |
| Presence check  | Name  | To make sure that a staff member's name is entered  |
| Format check    | Sales | To make sure that the sales are a numerical value   |

| Arithmetic operators |        |         |        |  |
|----------------------|--------|---------|--------|--|
| Operation            | Symbol | Example | Output |  |
| Addition             | +      | 2 + 10  | 12     |  |
| Subtraction          | -      | 9 – 6   | 3      |  |
| Multiplication       | *      | 5 * 4   | 20     |  |
| Division             | /      | 5/2     | 2.5    |  |
| Floor Division       | //     | 7 // 2  | 3      |  |
| Remainder            | %      | 7 % 3   | 1      |  |

## YEAR 7- LENT TERM - DRAMA



Theatre Makers

When see a play you are aware of the performers, but you might not think about the other theatre makers who do not appear on stage.

The Playwright writes the script of the play including the stage directions and the dialogue. The Performer has a role on stage. They appear in the production, for example as an actor, dancer or singer.

**The Understudy** learns a part, including lines and movements so that they are able to take over a role for someone if needed when there is a planned or unexpected absence.

**The Lighting Designer** designs the lighting states and effects that will be used during the performance.

**The Sound Designer** design the sound required for a production which may include music and sound effects.

The Costume Designer designs what the actors wear on stage making sure that the costumes are appropriate for the style and the period of the play.

**The Set Designer** designs the set of the play and the set dressing. They may also create/source props. All must be appropriate for the style and period of the play.

**The Director** oversees the whole production. They develop a concept for the play and liaise with the designers and performers.

**Voice and Movement Revision** 

**Voice Key Words** 

**Volume**: Loud to quiet

Crescendo: Increasing volume

**Pitch**: Deep or squeaky

Pace/Tempo: Fast or slow

Rhythm: Fluctuations in pace

Pause: Breaks in speech

**Inflection**: Emphasis on a word **Articulation**: Emphasis on letters.

Tone: Emotion

Clarity: Clearly say words

**Accent**: A way of speaking that denotes where you are

from

**Movement Key Words** 

**Movement**: e.g. rushing in or stamping their foot

excitedly.

**Stance**: How the character stands. **Gait**: The way the character walks.

**Posture**: How the character stands or sits e.g. slouch or

straight.

**Proxemics:** The space between the characters creates

meaning.

**Levels**: Suggest status e.g. a dominant character may be

higher up

**Space:** A character can demand a lot of space or hide in

a small corner.



- Role on the Wall: Draw an outline of your character. Annotate it to reflect the character's thoughts, feelings, fears, circumstances etc.
- Hot-Seating: An actor sits in the hot-seat and is questioned in role. They spontaneously answer questions.
- Inner Thoughts: Whilst rehearsing a scene, one person will shout "Freeze, inner thoughts". The actor should freeze and spontaneously say out loud what the character is thinking.
- Conscience Corridor: Performers make two lines facing each other. The protagonist poses a question such as "Should I put Granddad in a basket and leave him by the side of the road"? Actors on each side of the corridor give reasons for and against.



- Bigger Bigger: Rehearse one scene several times increasing the energy in gesture/movement, exaggeration of facial expression and volume
- Non-Verbal Body Language: Perform a scene without speaking. Create meaning through mime.

# YEAR 7— LENT TERM — DRAMA – SCRIPTS



| Play Scripts -This term, you will need to learn   | all of the lines from ONE play below and be able | to perform on stage without a script. Below are  |
|---|--|--|
| the shortened versions. You will receive the fu   | ll scripts in lessons.                           |  |
| 'Bang Out of Order'                               | 'The Gate Escape'                                | 'Missing Dan Nolan'  |
| Teenager 1: Hey, look who it is!                  | Teacher 1: Where were you?                       | Family 1: I was talking to this chap who lost his                                      |
| Teenager 2: Old man Harris.                       | Teacher 2: Where did you go?                     | daughter.  |
| Teenager 1: Apparently we're being too loud!      | Teacher 1: What on earth were you doing?         | Family 2: Stop it.   |
| Teenager 2: Is that right? Well turn your hearing | Teacher 2: You could have been killed.           | Family 1: She'd been abducted.   |
| aid down!   | Teacher 1: People get into all sorts of trouble  | Family 2: You're just upsetting yourself.  |
| Teenager 1: Yeah, go back to your pipe and        | when they truant.                                | Family 1: I want to know what's happened.  |
| slippers granddad!                                | Teacher 2: All sorts of trouble                  | Family 2: I know.  |
| Teenager 2 Scum! Who do you think you're          | Teacher 1: What if there had been a fire?        | Family 1: I can't stand not knowing. Family 2: We have to face it. (pause) He could be |
| calling scum?                                     | Teacher 2: We wouldn't have known that you       | gone forever.  |
| Teenager 1: I'm trash am I?                       | weren't in the building.                         | Family 1: I can't.   |
| Teenager 2: You wanna watch your mouth mate.      | Teacher 1: A fireman could have lost his life    | Family 2: I know it hurts.   |
| Teenager 1: Who are you calling trash?            | looking for you!                                 | Family 1: I can't just do nothing.   |
| Teenager 2: Come down here and say that.          | Teacher 2: Now just to show you how angry we     | Family 2: Come and sit down.   |
| Teenager 1: You wanna get a life! Sad old man!    | are  | Family 1: I'm going out to see if I can see him.                                       |
| Teenager 2 Come down here and shut me up!         | Teacher 1: We're going to ask you to             | Family 2: You've tried. You won't find him.  |
| Teenager 1: I'll bang you out.                    | Both: Show us your planner!                      | Family 1:He's probably round one of his friends.                                       |
| Teenager 2: Gonna call the police are ya? I'm so  | Teacher 2: Are you laughing?                     | Family 2: Do you want me/us to come with you?  |
| scared.   | Teacher 1: Are you finding this funny?           | Family 1: No, I'll only be a moment  |
| Teenager 1: Jog on Granddad!                      | Teacher 2: You've just lost your breakTeacher 1: | Family 2: Please.  |
| Teenager 2: Who cares if you know where I live?   | and your lunch                                   | Family 1: No.  |
| Teenager 1: Aint you got nothing better to do?    | Teacher 2: You should be focused on your         | Family 2: Fine.  |
| Teenager 2 I said I never touched your car!       | exams  |  |
| Teenager 1 Go on then, call the police            | Teacher 1: You should be focused on your future  |  |
| Teenager 2 I'll give you something to moan about. |  |  |
| (The teenagers begin to vandalise granddad's car) | Teacher 2: I'll be calling your father.          |  |
|   | Teacher 1: You're on your final warning!         |  |
|   | Teacher 2: We really have had enough             |  |
|   | Teacher 1: If you break one more school rule     |  |

Both: You'll be excluded!



#### A. Strings Section/Family

Made from wood and have strings. They are usually played with a **BOW** (ARCO) – not the Harp (shown right) but can also be PLUCKED (PIZZICATO). The smaller the instrument, the **HIGHER PITCHED** it is. The bigger the instrument, the LOWER PITCHED it is. However, the Harp has many more strings so can play both high- and lowpitched notes.



#### **B. Woodwind Section/Family**

A selection of instruments divided into two subsections: **FLUTES** (create a sound by air passing over a small hole and include the Flute and Piccolo)

and **REEDS** (use a piece of bamboo reed to create a vibration). The Saxophone (shown above right) is not traditionally used in an orchestra. However, some modern composers have included it.



#### C. Brass Section/Family

There are more brass instruments used in brass bands, but the orchestra normally has four. They are made of metal and the sound is made by blowing into the mouthpiece by buzzing the lips in a similar way to blowing a raspberry! The bigger the instrument, the lower the pitch. The smaller the instrument, the higher the pitch – the Trumpet is the highest.



#### D. Percussion Section/Family

Includes a vast range of instruments which produce sound when hit, struck, scraped or shaken. These fall into two subsections: **TUNED PERCUSSION** (able to play different pitches) and UNTUNED PERCUSSION (e.g. drums)

#### TUNED PERCUSSION









Glockenspiel Xylophone **UNTUNED PERCUSSION** 

Timpani







Bass Drum Snare Drum Cymbals Woodblock Guiro



Triangle





Gong Tambourine





Cabasa

E. Kev Words

ORCHESTRA – A large ENSEMBLE (group of musicians) divided into four SECTIONS or FAMILIES of musical instruments – STRINGS, WOODWIND, BRASS and PERCUSSION - led by a CONDUCTOR who stands at the front of the orchestra and directs it. They will indicate the main beats in the music using a BATON (a "stick" that they hold and beat time with). All musicians look at the conductor whist playing as they are ultimately in control of the whole piece.

**SONORITY** (also called **TIMBRE**) – Describes the **unique sound or tone quality** of different instruments and the way we can identify orchestral instruments as being distinct from each other - "each instruments' own unique sound". Sonority can be described by many different words including - velvety, screechy, throaty, rattling, mellow, chirpy, brassy, sharp, heavy, buzzing, crisp, metallic, wooden etc.

PITCH - The highness or lowness of a sound, a musical instrument or musical note (high/low, getting higher/lower, step/leap).

FANFARE – A short, lively, loud piece of music, usually for BRASS INSTRUMENTS and sometimes DRUMS and other PERCUSSION. A Fanfare is usually warlike or victorious in character and can be used to mark the arrival of someone important, give a "signal" e.g. in battles or be used to signal the opening of something e.g. a large sporting event or similar ceremony. Fanfares often use only notes of the HARMONIC SERIES – a limited range of notes played by bugles and Valveless trumpets.

## F. Map/Plan of an Orchestra

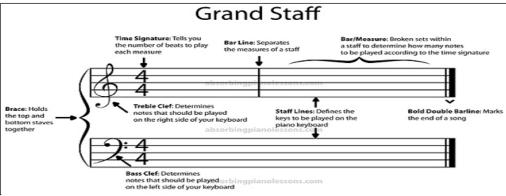


## YEAR 7 — LENT TERM – MUSIC — COMPOSING MELODIES

# ( LEARNING - LOVING - LIVING

#### **KEYWORDS**

- **1- Time Signature**: to specify how many beats are to be contained in each bar and which note value is equivalent to one beat.
- **2- Bar**: Each bar usually has the same number of beats in it. Music that feels like 1-2-3-4 will be divided into bars with four beats worth of music in each bar.
- **3-Barline:** The bar line is a vertical line written in the music which separates the **bars**.
- **4- Rest**: an interval of silence in a piece of music, marked by a symbol that corresponds to a particular note value.
- 5- Melody: the main tune of a song
- 6- Phrase: a short musical passage; a musical sentence.
- **7-Pentatonic:** 5-notes. A pentatonic scale is a series of 5-notes used to create a piece.
- **8-Call and Response:** 2 phrases that occur in different parts one after another. Often a solo part then repeated by a chorus (African music).
- **9- Question and Answer:** 2 phrases that occur one after another, the second in direct response, and complimentary to the first.
- **10- Ostinato:** a persistent phrase or motif repeated over several bars or more.
- **11- Dorian mode:** a medieval **mode** whose scale pattern is that of playing d to d on the white keys of a piano (T-s-T-T-s-T).
- **12- Drone:** an accompaniment where a note is continuously heard/played throughout a piece
- **13- Harm ony:** parts that play together simultaneously create harmony. Often accompanying or secondary parts to a melody.
- 14- Dictation: the ability to hear a piece of music and quickly write it down.



| Note | Name                          | Beats    | Rest | Note       | Name  | Beats    | Rest |
|------|-------------------------------|----------|------|------------|---|----------|------|
| 0    | Semibreve, Whole Note         | 4 beats  | _    | 0.         | Dotted Semibreve, Dotted Whole Note         | 6 beats  | _    |
| d    | Minim, Half Note              | 2 beats  | _    | d.         | Dotted Minim, Dotted Half Note              | 3 beats  | _    |
|      | Crotchet, Quarter Note        | 1 beat   | ٤    | ₫.         | Dotted Crotchet, Dotted Quarter Note        | 1% beats | \$   |
|      | Quaver, Eighth Note           | 1/2 beat | 7    | <b>J</b> . | Dotted Quaver, Dotted Eighth Note           | 3/4 beat | 7.   |
| J    | Semiquaver,<br>Sixteenth Note | 1/4 beat | 7    | J.         | Dotted Semiquaver,<br>Dotted Sixteenth Note | 3/8 beat | 7    |



#### 5 characteristics of a good melody

A Good Melody...

- 1. Starts and ends on the same note (C)
- 2. Moves mainly by step
- 3. Has a smooth contour/shape
- 4. Has 2 or 4 bar phrases
- 5. Uses similar short motifs to give it a clear character



## A. Key Terms

| a. <u>Rey Terms</u>         |   |  |  |  |
|-----------------------------|---|--|--|--|
| Keyword                     | Description   |  |  |  |
| 1. Line                     | Line is the path left by a moving point. For example, a pencil or a brush dipped in paint. A line can be horizontal, diagonal or curved and can also change length.   |  |  |  |
| 2. Shape                    | A shape is an area enclosed by a line. It could be just an outline or it could be shaded in. Shapes can be geometric or irregular.  |  |  |  |
| 3. Form                     | Form is a three dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.  |  |  |  |
| 4. Colour                   | Red, yellow and blue are primary colours, which means they can't be mixed using any other colours. In theory, all other colours can be mixed from these three colours.  |  |  |  |
| 5. Tertiary Colours         | Tertiary colours are created by mixing a primary colour and the secondary colour next to it on the colour wheel.  |  |  |  |
| 6. Complementary<br>Colours | Complementary colours are colours that are opposite each other on the colour wheel. When complementary colours are used together they create contrast. Adding a colour's complementary colour will usually make a darker shade. This is often preferable to adding black. |  |  |  |
| 7. Pattern                  | A design that is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a motif. Motifs can be simple shapes or complex arrangements   |  |  |  |

| Keyword            | Description  |
|--------------------|--|
| 8. Apply           | To use knowledge, skills and understanding and to employ appropriate techniques when developing and progressing ideas. |
| 9. Develop         | To take forward, change, improve or build on an idea, theme or starting point.   |
| 10.<br>Investigate | To enquire into, examine in depth, and/or analyse the relevance of a chosen subject and associated sources.            |
| 11. Realise        | To achieve, attain and/or accomplish your intentions.  |

## C. Art Styles



- 16. Ndebele art originates from the Ndebele tribe in South Africa
- 17. Traditionally Ndebele women would paint their houses in this style to celebrate events in their family
- 18. Traditionally locally available materials such as clay and dung were used.
- 19. Today acrylic paint is used
- 20. Esther Mahlangu is a famous Ndebele Artist
- 21. Esther Mahlangu was born in 1935 and is still alive.

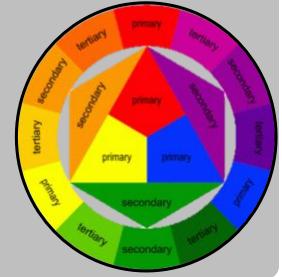
## **C. Colour Theory**

Key terms 4 – 6 refer to the colour wheel.

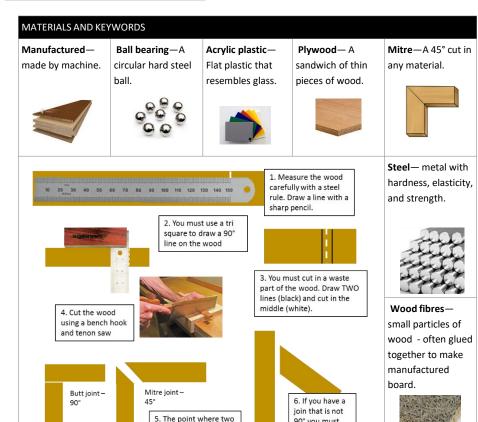
- 13. Warm colours are colours on the red side of the wheel. These are red and include orange, yellow and browns.
- 14. Cool colours are colours on the blue side of the wheel. These are blue and include green, purple and most greys.

| 15. | Primary       | Secondary |
|-----|---------------|-----------|
|     | red + yellow  | =orange   |
|     | red + blue    | =purple   |
|     | blue + yellow | =green    |

### 12. This is called a Colour Wheel.



## YEAR 7 — LENT TERM- ENGINEERING



pieces of wood meet is

called a joint.



Softwood-noun The wood from a conifer (such as pine, fir, or spruce) as distinguished from that of broadleaved trees.

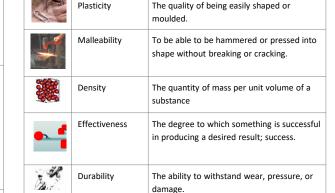


Hardwood-noun The hard, compact wood or timber of various trees, as the oak, cherry, maple, or mahogany.



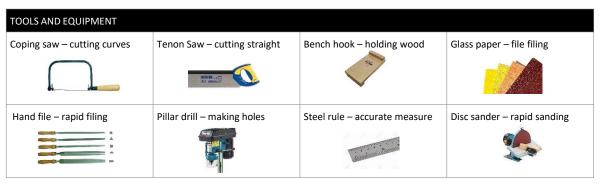


stretched or compressed; stretchiness.



| U | UNDERSTAND THE MAKING PROCESS |   |  |  |
|---|-------------------------------|---|--|--|
| 1 | Preparation                   | Drawing, CAD, sketches, plans.  |  |  |
| 2 | Marking Out                   | Pencil, scribe, steel rule, tri square, marking gauge, calipers, centre punch.      |  |  |
| 3 | Modification                  | Saw, jigsaw, scroll saw, laser cutter, pliers, hammer, drill, file, glass paper.    |  |  |
| 4 | Joining                       | Riveting gun, spanner, screwdriver, hot glue, gun , soldering iron, nail gun.       |  |  |
| 5 | Finishing                     | Hand sander, glass paper, disc sander, buffing wheel, polish, spray paint, varnish. |  |  |

| HEALTH & SAFETY LEGISLATION         |                                     |                                  |  |                                 |  |
|-------------------------------------|-------------------------------------|----------------------------------|--|---------------------------------|--|
| Health and<br>Safety at work<br>Act | Personal<br>Protective<br>Equipment | Manual<br>Handling<br>Operations | Control of<br>Substances<br>Hazardous to<br>Health | Reporting of<br>Injuries RIDDOR |  |



90° vou must

cut it so it fits

perfectly.



#### Key words: Food hygiene and safety

- **1. Bacteria** single celled organisms. Some can be harmful to humans.
- 2. Pathogenic harmful or causing disease
- **3. Equipment** the tools used in practical lessons Hygiene routines that are necessary for good health. These usually involve cleanliness
- **4. Food hygiene** routines that should be followed to avoid potential health hazards in food.
- **5. Personal hygiene** routines that should be followed by people handling food to avoid contaminating food. E.g. Contaminated hands will spread bacteria around a kitchen very quickly, so having good personal hygiene is important
- **5. The four C's** Essential for maintaining food safety. They are Cleaning, Cooking, Chilling, Cross contamination
- **6. Cross contamination** transferring bacteria that should not be in food from one place to another. E.g. bacteria on unwashed hands will contaminate food.
- **9. Potential** The possibility of something happening in the future
- **10. Hazard** anything that can cause harm or danger
- **11. Recipe** A plan used to inform the cook or chef how to make a 'dish'.

#### 8 guidelines for a healthy diet

- Base your meals on starchy carbohydrates
- Eat lots of fruit and vegetables (5-7 portions per day)
- 3. Eat plenty of fish
- 4. Cut down on sugar and saturated fats
- 5. Have no more than 6gs of salt a day
- 6. Be active and be a healthy weight
- 7. Drink **6-8 glasses of water** a day
- B. Don't skip breakfast

|   | Key routines for Food Hygiene and Safety in the food room |   |  |      |   |
|---|---|---|--|------|---|
| Personal Hygiene                        | Why?  |   | Safety rules   | Why? |   |
| P1. Wash hands<br>in hot soapy<br>water |   | To kill bacteria on your hands<br>to stop contamination                                   | S1. Use oven<br>gloves                                     |      | To stop injury – burns from baking trays        |
| P2. Tie long hair<br>back               |   | To prevent hair going into the products you cook  | S2. Wash up in<br>hot soapy water                          |      | To stop cross contamination and kill bacteria   |
| P3. Wear an<br>apron                    |   | To protect your uniform and to prevent bacteria from your clothes contaminating your food | S3. Bags, blazers<br>and coats on<br>hooks at all<br>times |      | To prevent injury – tripping up or falling over |
| P4. Roll sleeves<br>up                  |   | To prevent bacteria contaminating your food   | S4. Pan handles<br>in 'safe' position                      |      | To prevent a fire and injuring from burns       |
| P5. Remove<br>jewellery                 |   | To prevent contamination of food by bacteria that live on jewellery.                      | S5 Chairs under<br>the desk or<br>stacked                  |      | To prevent injury – tripping up or falling over |

| Keywords : skills and equipment |   |                                   |   |
|---------------------------------|---|-----------------------------------|---|
| Skills                          | How?  | Equipment                         | Function?   |
| SK1. Claw<br>grip               | Fingers are held in a claw shape to hold food steady while slicing or cutting.                  | E1. Knife<br>(plural -<br>knives) | to cut, chop and slice food   |
| SK2.<br>Bridge<br>hold          | Use thumb and forefinger and grip either side of the ingredient. Use knife under bridge to cut. | E2. Grater                        | To quickly reduce the size of food products to very small pieces or shreds.                                       |
| SK3.<br>peeling                 | Removing the outer skin or covering of fruit and vegetables                                     | E3.<br>chopping<br>board          | To prepare food on especially when using knives. Using a colour coded system helps to prevent cross contamination |
| SK4.<br>slicing                 | Cutting food into slices.<br>e.g. Slice the carrot thinly                                       | E4.<br>saucepan                   | Used to boil, simmer or poach foods in.   |
| SK5.<br>chopping                | To cut food into small pieces e.g. chop the onion in small, evenly sized pieces.                | E5.<br>Vegetable<br>peeler        | A special knife for removing skin or peel from fruit and vegetables.  |
| SK6.<br>grating                 | To reduce food into fine shreds by rubbing it on a grater.                                      | E6.<br>Measuring<br>jug           | Used to measure liquids e.g. water , milk accurately in millilitres (ml)  |

## YEAR 7 — LENT TERM- FOOD AND NUTRITION — HEALTHY EATING

#### Key words: Nutrients and Eatwell Guide

- Wholegrain All parts of the cereal grain is used.
- 2. Nutrient - Chemical in food that give nourishment.
- 3. Energy – the strength needed for physical effort
- Immune system the body's defence against infectious diseases
- 5. Clotting - the process that blood undergoes to prevent bleeding
- 6. Antioxidant - a molecule that is able to stop the oxidation process in other molecule
- 7. Haemoglobin – a protein responsible for transporting oxygen in the blood
- 8. Saturated fats - Type of fat mostly from animal sources
- 9. Absorb - to take in or soak up
- Maintenance- routines that are necessary for keep the body in good health. 10.
- Diabetes— a condition that causes a person's blood sugar level to become too high.
- 12. Obesity- diet related disease where the body contains too much stored fat.
- 13. Cardiovascular disease (CHD)- The narrowing of the arteries that supply your heart with oxygen rich blood, due to the build up of fatty deposits within the artery walls

🖎) LEARNING - LOVING - LIVING

The Eatwell Guide is the UK Healthy Eating Model. It shows what we should eat as a balanced diet. The size of the sections represents the proportion of our diet that particular food group should make up.

#### Starchy Foods

Provide slow release carbohydrate used by the body for energy

3. Choose wholegrains for increased fibre (good digestion, reduced risk of heart disease) 37% Water Intake A balanced diet must include water, it is required for nearly all brain and other bodily

### Fats, Oils & **Spreads**

 Provide fat soluble vitamins

A.D.E & K Are high in

calories & energy so keep use

> to a minimum

choose unsaturate

d oils like

olive oil

8%

12%

## Food high in sugar and saturated fats are not part of a healthy diet and should be eaten in moderation

Eat less often and

- increased risk of weight gain/obesity
- 2. diabetes

39%

Eat 5

dav!

portions s a

Choose a

variety

**Provides** 

fibre for

healthy

digestion

**Provides** 

vitamins

minerals

and

of an adult's refe

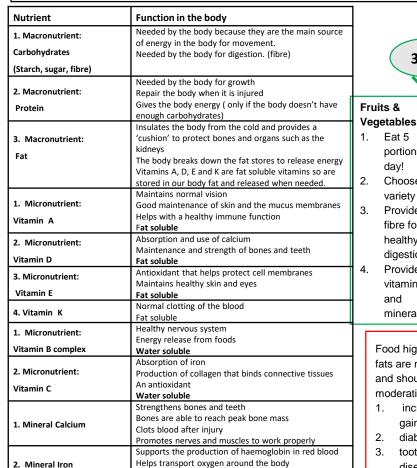
tooth decay, cardiovascular disease (CHD)

#### Beans, Pulses, Eggs, Meat, Fish

- Provide protein for growth, repair and maintenance of body cells
- Choose a combination of plant proteins
- Avoid eating too much processed meat like bacon and sausages

#### **Dairy Foods**

- 1. Provide calcium for healthy bones, teeth and nails
- The body needs Vitamin D to absorb calcium effectively



Vitamin C is required for absorption of iron



#### Semaine 1

#### Les matières scolaires • School subjects le français French le théâtre drama la géographie/la géo geography

la musique music la technologie technology English l'anglais (m) PE l'EPS(f) l'histoire (f) history l'informatique (f) ICT les arts plastiques (m) art les mathématiques/maths (f) maths les sciences (f) science

#### Les opinions • Opinions

T'es fou/folle.

Tu aimes/Est-ce que tu aimes ...? Do you like ...? J'aime ... I like ... I like ... a lot. J'aime beaucoup ... J'aime assez ... I quite like ... J'adore ... I love ... Je n'aime pas ... I don't like ... Je déteste ... I hate ... C'est ma matière préférée. It's my favourite subject. Moi aussi. Me too.

#### Semaine 4

Qu'est-ce que • What do you eat?/ What are you eating? tu manges?

Je mange ... I eat/I'm eating ... du fromage cheese du poisson fish du poulet chicken du steak haché beefburger du yaourt yoghurt de la pizza pizza de la purée de pommes mashed potatoes de terre de la glace à la fraise strawberry ice-cream de la mousse au chocolat chocolate mousse de la tarte au citron lemon tart des crudités chopped, raw vegetables des frites chips des haricots verts green beans Bon appétit! Enjoy your meal!

| Les mots essentiels • High-frequency |                 |  |  |
|--------------------------------------|-----------------|--|--|
|                                      | words           |  |  |
| à                                    | at              |  |  |
| et                                   | and             |  |  |
| aussi                                | also            |  |  |
| mais                                 | but             |  |  |
| très                                 | very            |  |  |
| trop                                 | too             |  |  |
| assez                                | quite           |  |  |
| un peu                               | a bit           |  |  |
| pourquoi?                            | why?            |  |  |
| parce que                            | because         |  |  |
| beaucoup (de)                        | a lot (of)      |  |  |
| tous les jours                       | every day       |  |  |
| aujourd'hui                          | today           |  |  |
| pardon                               | excuse me       |  |  |
| merci                                | thank you       |  |  |
| est-ce que (tu) ?                    | do (you)?       |  |  |
| qu'est-ce que (tu) ?                 | what do (you) ? |  |  |
| avec                                 | with            |  |  |

#### Semaine 2

#### Les raisons • Reasons

C'est ... It's... intéressant interesting ennuyeux boring facile easy difficile difficult génial great nul rubbish marrant fun/funny On a beaucoup de devoirs. We have a lot of homework. The teacher is nice. Le/La prof est sympa. Le/La prof est trop sévère. The teacher is too strict.

#### Quelle heure est-il? • What time is it?

You're crazy.

Il est ... It's... huit heures eight o'clock huit heures dix ten past eight huit heures et quart quarter past eight huit heures et demie half past eight neuf heures moins vingt twenty to nine neuf heures moins le quart quarter to nine midi midday minuit midnight midi/minuit et demi half past twelve (midday/midnight)

#### Semaine 5

Special Test: you will only translate from English into French. Revise the spelling of all vocabulary learnt in Michaelmas2

## Semaine 3

#### L'emploi du temps • The timetable

le lundi on Mondays le mardi on Tuesdays le mercredi on Wednesdays le jeudi on Thursdays le vendredi on Fridays À [neuf heures] At [nine o'clock] j'ai [sciences]. I've got [science]. le matin (in) the morning (in) the afternoon l'après-midi le mercredi après-midi on Wednesday afternoon la récréation/la récré breaktime le déjeuner lunch

#### La journée scolaire • The school day

On a cours (le lundi). We have lessons (on Mondays). We don't have lessons ... On n'a pas cours ... On commence les cours à ... We start lessons at ... On a quatre cours le matin. We have four lessons in the morning. On étudie neuf matières. We study nine subjects. À la récré, on bavarde At break, we chat and et on rigole. have a laugh. On mange à la cantine. We eat in the canteen. On finit les cours à ... We finish lessons at ... On est fatigués. We are tired.

## <u> YEAR 7 — LENT TERM- FRANÇAIS- STUDIO1 — MOD3</u>

#### Semaine 1

#### Les ordinateurs et les portables

#### • Computers and mobile phones

Qu'est-ce que tu fais ... avec ton ordinateur? avec ton portable?

Je surfe sur Internet. Je tchatte sur MSN.

Je regarde des clips vidéo. Je télécharge

de la musique. l'envoie des SMS Je parle avec mes ami(e)s/ mes copains/

mes copines. J'envoie des e-mails. What do you do/are you doing. on your computer? on your mobile phone? I play/I'm playing games.

I surf/I'm surfing the net. I chat/I'm chatting on MSN

I watch/I'm watching video clins I download/I'm downloading music. I text/I'm texting.

I talk/I'm talking to my friends/mates.

I send/I'm sending e-mails

# La fréquence • Frequency

quelquefois sometimes souvent often tous les jours every day tous les soirs every evening tout le temps all the time de temps en temps from time to time une fois par semaine once a week deux fois par semaine twice a week

## Semaine 4

#### Les mots essentiels • High-frequency words

en (été) in (summer) quand when tout/toute/tous/toutes all par (deux fois par semaine) per (twice a week) d'habitude usually d'abord first of all ensuite then/next

then/next

#### Qu'est-ce qu'ils font? • What do they do?

EARNING - LOVING - LIVING

Il fait de la lutte. Elle fait du jogging. Elle a gagné le match. Il est champion régional.

Elle s'entraîne (trois) fois par semaine.

Ils font de la musculation. Elles écoutent de

la musique. Ils jouent au foot.

Elles regardent la télé. Ils sont des clowns. Elles aiment le R&B.

He does wrestling. She goes jogging.

She won the match. He's the regional champion.

She trains (three) times a week.

They do weight training. They listen to music.

They play football. They watch TV. They're clowns. They like R&B.

#### Semaine 2

#### Qu'est-ce que tu fais? • What do you do?

Je fais du iudo. I do iudo. Je fais du parkour. I do parkour. Je fais du patin à glace. I go ice-skating. Je fais du roller. I go roller-skating. Je fais du skate. I go skateboarding. Je fais du vélo. I go cycling. Je fais de la danse. I do dance. Je fais de la gymnastique I do gymnastics. Je fais de la natation. I go swimming. Je fais de l'équitation. I ao horse-ridina. Je fais des promenades. I go for walks.

#### Lesport • Sport

Je ioue... I play ... au basket basketball au billard billiards/snooker au foot(ball) football au hockey hockey au rugby rugby tennis au tennis au tennis de table/ table tennis au ping-pong au volleyball vollevball à la pétanque/aux boules boules sur la Wii on the Wii Tu es sportif/sportive? Are vou sporty? I'm (quite) sporty. Je suis (assez) sportif/ sportive Je ne suis pas (très) I'm not (very) sporty. sportif/sportive. Mon sportif/Ma sportive My favourite sportsman/

sportswoman is ...

when it's cold

#### Semaine 5

puis

Special Test: you will only translate from English into French. Revise the spelling of all vocabulary learnt in Michaelmas2

#### Semaine 3

#### Qu'est-ce que tu • What do you aimes faire? like doing?

le soir/le weekend

le samedi matin/ après-midi/soir

J'aime .. ... retrouver mes amis

... regarder la télévision (la télé).

... jouer sur ma PlayStation.

... écouter de la musique. ... faire les magasins.

... faire du sport. ... jouer au football.

copines

... traîner avec mes copains. ... hanging out with my mates. ... téléphoner à mes ... phoning

#### Quand? • When?

quand il fait froid

préféré(e) est ...

en été in summer en hiver in winter quand il fait beau when it's good weather quand il fait chaud when it's hot quand il pleut when it rains

my mates.

in the evenings/

at the weekends

... meeting my friends

in town.

... watchina TV.

... playing on my

PlayStation.

... going shopping.

... playing football.

... doing sport.

. listening to music.

on Saturday mornings/

afternoons/evenings



#### Semana 1 ¿Qué estudias? What do you study? Estudio... I study... informática ICT ciencias science inglés English dibujo art matemáticas maths educación física PΕ música music español Spanish religión RE francés French teatro drama geografía geography tecnología technology historia history

## Semana 2

### ¿Cuál es tu día favorito? What is your favourite day?

| Mi día favorito es el lunes/ | My favourite day is   | Por  |
|------------------------------|-----------------------|------|
| el martes.                   | Monday/Tuesday.       | por  |
| Los lunes/martes             | On Mondays/Tuesdays I | por  |
| estudio                      | study                 | estu |
| ¿Por qué?                    | Why?                  | noe  |

Porque...
por la mañana in the morning
por la tarde in the afternoon
estudiamos we study
no estudio I don't study

| Semana 3                  |                                |             |             |
|---------------------------|--------------------------------|-------------|-------------|
| Opiniones Opinions        |                                |             |             |
| ¿Te gusta el dibujo?      | Do you like art?               | aburrido/a  | boring      |
| Sí, me gusta (mucho) el   | Yes, I like art (a lot).       | difícil     | difficult   |
| dibujo.                   |                                | divertido/a | funny       |
| No, no me gusta (nada) el | No, I don't like art (at all). | fácil       | easy        |
| dibujo.                   |                                | importante  | important   |
| ¿Te gustan las ciencias?  | Do you like science?           | interesante | interesting |
| Sí, me encantan las       | Yes, Hove science.             | práctico/a  | practical   |
| ciencias.                 |                                | útil        | useful      |

## Semana 4

| Scilialia i   |                        |                          |                        |
|---|------------------------|--------------------------|------------------------|
| Los profesores Teachers                             |                        |                          |                        |
| El profesor/La profesora                            | The teacher is         | raro/a                   | odd                    |
| es  |                        | severo/a                 | strict                 |
| paciente  | patient                |                          |                        |
| ¿Qué hay en tu insti? What is there in your school? |                        |                          |                        |
| En mi insti hay                                     | In my school, there is | una clase de informática | an ICT room            |
| un campo de fútbol                                  | a football field       | una piscina              | a swimming pool        |
| un comedor  | a dining hall          | unos laboratorios        | some laboratories      |
| un gimnasio   | a gymnasium            | unas clases              | some classrooms        |
| un patio  | a playground           | No hay piscina.          | There isn't a swimming |
| una biblioteca                                      | a library              |                          | pool.                  |

#### Semana 5

#### ¿Cómo es tu insti? What's your school like?

| Es        | It's | grande    | big      |
|-----------|------|-----------|----------|
| antiguo/a | old  | horrible  | horrible |
| bonito/a  | nice | moderno/a | modern   |
| bueno/a   | good | pequeño/a | small    |
| feo/a     | ugly |           |          |

#### ¿Qué haces durante el recreo? What do you do during break?

| Como                | leat            | Bebo                    | I drink                 |
|---------------------|-----------------|-------------------------|-------------------------|
| un bocadillo        | a sandwich      | agua                    | water                   |
| unos caramelos      | some sweets     | un refresco             | a fizzy drink           |
| chicle              | chewinggum      | un zumo                 | ajuice                  |
| una chocolatina     | a chocolate bar | Leo mis SMS.            | I read my text messages |
| fruta               | fruit           | Escribo SMS.            | I write text messages.  |
| unas patatas fritas | some crisps     | Nunca hago los deberes. | I never do homework.    |
|                     |                 |                         |                         |

#### Semana 6

| Expresiones de tiempo | Time expressions |         |       |
|-----------------------|------------------|---------|-------|
| normalmente           | normally         | primero | first |
| aveces                | sometimes        | luego   | then  |

| Palabras muy freever | 133 High-frequency | words     |             |
|----------------------|--------------------|-----------|-------------|
| algo                 | something          | ¿Por qué? | Why?        |
| donde                | where              | porque    | because     |
| hay                  | there is/there are | también   | also, too   |
| 0                    | or                 | tampoco   | nor/neither |
| pero                 | but                | y         | and         |

Special Test: you will only translate from English into Spanish.

Revise the spelling of all vocabulary learnt in Lent 1.

## YEAR 7 — LENT TERM- SPANISH - VIVALIBRO1 — MOD4. VOCABULARY MI FAMILIA Y MIS AMIGOS



#### Semana 1

| ociliaria I  |                         |                      |                       |
|--|-------------------------|----------------------|-----------------------|
| ¿Cuántas personas hay en tu familia? How many people are there in your family? |                         |                      |                       |
| En mi familia hay  | In my family, there are | mis primos           | my cousins            |
| personas.  | people.                 | ¿Cómo se llama tu    | What is your mother   |
| mis padres   | my parents              | madre?               | called?               |
| mi madre   | mymother                | Mi madre se llama    | My mother is called   |
| mi padre   | myfather                | ¿Cómo se llaman tus  | What are your cousins |
| mi abuelo  | mygrandfather           | primos?              | called?               |
| mi abuela  | mygrandmother           | Mis primos se llaman | My cousins are called |
| mi bisabuela   | my great-grandmother    | у                    | and                   |
| mi tío   | myuncle                 | suhermano            | his/her brother       |
| mi tía   | myaunt                  | sus hermanos         | his/her brothers      |

### Semana 2

| Los números 2 | O - 100 Numbers 2 | 0 - 100 |     |
|---------------|-------------------|---------|-----|
| veinte        | 20                | setenta | 70  |
| treinta       | 30                | ochenta | 80  |
| cuarenta      | 40                | noventa | 90  |
| cincuenta     | 50                | cien    | 100 |
| sesenta       | 60                |         |     |

#### ¿De qué color tienes los ojos? What colour are your eyes?

| Tengo los ojos | I have eyes. | marrones     | brown           |
|----------------|--------------|--------------|-----------------|
| azules         | blue         | verdes       | green           |
| grises         | grey         | Llevo gafas. | I wear glasses. |

## Semana 3

| ¿Cómo tienes el pe | lo? What's your ha | air like?        |                 |
|--------------------|--------------------|------------------|-----------------|
| Tengo el pelo      | I have hair.       | rizado           | curly           |
| castaño            | brown              | largo            | long            |
| negro              | black              | corto            | short           |
| rubio              | blond              | Soy pelirrojo/a. | I am a redhead. |
| azul               | blue               | Soy calvo.       | I am bald.      |
| liso               | straight           |                  |                 |

## Semana 4

| ¿Cómo es?   | What is he/she like? |                  |                      |
|-------------|----------------------|------------------|----------------------|
| Es          | He/She is            | joven            | young                |
| No es muy   | He/She isn't very    | viejo/a          | old                  |
| alto/a      | tall                 | Tiene pecas.     | He/She has freckles. |
| bajo/a      | short                | Tiene barba.     | He has a beard.      |
| delgado/a   | slim                 | misamigos        | my friends           |
| gordo/a     | fat                  | mi mejor amigo/a | my best friend       |
| guapo/a     | good-looking         | su mejor amigo/a | his/her best friend  |
| inteligente | intelligent          |                  |                      |

### Semana 5

| ¿Cómo es tu ca | sa o tu piso? What is y | our house or flat like? |             |
|----------------|-------------------------|-------------------------|-------------|
| Vivo en        | Hive in                 | cómodo/a                | comfortable |
| una casa       | a house                 | grande                  | big         |
| un piso        | a flat                  | moderno/a               | modern      |
| antiguo/a      | old                     | pequeño/a               | small       |
| bonito/a       | nice                    |                         |             |

### Semana 6

| ċDónde está? | Where is it?    |           |            |
|--------------|-----------------|-----------|------------|
| Está en      | It is in        | un pueblo | a village  |
| el campo     | the countryside | elnorte   | the north  |
| la costa     | the coast       | elsur     | the south  |
| una ciudad   | atown           | el este   | the east   |
| el desierto  | the desert      | eloeste   | the west   |
| la montaña   | the mountains   | elcentro  | the centre |

| Palabas muy frequency words |                   |         |         |
|-----------------------------|-------------------|---------|---------|
| además                      | also, in addition | un poco | a bit   |
| bastante                    | quite             | mi/mis  | my      |
| porque                      | because           | tu/tus  | your    |
| muy                         | very              | su/sus  | his/her |
| ¿Quién?                     | Who?              |         |         |

Special Test: you will only translate from English into Spanish.

Revise the spelling of all vocabulary learnt in Lent 2.

## YEAR 7 — LENT TERM- PSHE — WORK RELATED LEARNING

| Key term               | Definition   |
|------------------------|--|
| 1. Employment          | When an individual works part-time or full-time under a contract of employment.                                  |
| 2. Labour market       | The supply and demand for labour (employees provide the supply and employers the demand).                        |
| 3. Labour force        | All people who are of working age, and able and willing to work.   |
| 4. Employee            | Someone who is paid to work for someone else.  |
| 5. Employer            | A person or organization that you work for.  |
| 6. Salary              | A fixed regular payment, typically paid on a monthly basis but often expressed as an annual sum.                 |
| 7. Wage                | A fixed regular payment earned for work or services, typically paid on a daily or weekly basis.                  |
| 8. Bonus               | An extra amount of money given to an employee, often based on work performance.                                  |
| 9. Contract            | A contract is an agreement that sets out an employee's employment conditions, rights, responsibilities & duties. |
| 10. Economy:           | System of how money is made and used within a particular country or region.                                      |
| 11. Economic<br>Growth | An increase in the capacity of an economy to produce goods and services.   |
| 12. Trade              | To take part in the exchange, purchase, or sale of goods and services.   |
| 13. Industry           | A group of manufacturers or businesses that produce a particular kind of goods or services.                      |
| 14. Unemployment       | When a person who is actively searching for employment is unable to find work.                                   |



## The 5 Sectors of the Economy.

**Primary Sector:** this involves acquiring raw materials. For example, metals and coal have to be mined, oil drilled from the ground, rubber tapped from trees, foodstuffs farmed and fish trawled. This is sometimes known as extractive production.

**Secondary Sector:** this is the manufacturing and assembly process. It involves converting raw materials into components, for example, making plastics from oil. It also involves assembling the product, e.g. building houses, bridges and roads.

**Tertiary Sector:** this refers to the commercial services that support the production and distribution process, e.g. insurance, transport, advertising, warehousing and other services such as teaching and health care.

**Quaternary Sector**: this sector includes government, culture, libraries, scientific research, education, and information technology. These intellectual services and activities are what drives technological advancement, which can have a huge impact on short- and long-term economic growth.

**Quinary Sector**: this contains the highest levels of decision making in a society or economy, including top executives or officials in such fields as government, science, universities, non-profit, health care, culture, and the media. It may also include police and fire departments, which are public services as opposed to for-profit enterprises.

## YEAR 7 — LENT TERM- PSHE — WORK RELATED LEARNING



| Key Term          | Definition  |
|-------------------|---|
| 1. Career         | The job or series of jobs you do during your working life.  |
| 2. Occupation     | Your job or profession.   |
| 3. Promotion      | When an employee moves from one job or position to another that is higher in pay, responsibility, and status.                         |
| 4. Redundancy     | When an employer no longer requires the job role that is being carried out by an employee.  |
| 5. Retire         | To leave your profession or job and end your active working life.   |
| 6. Pension        | An amount of money paid regularly by the government or private company to a person who has retired.                                   |
| 7. Apprenticeship | Apprenticeships combine practical training in a job with study.   |
| 8. Internship     | A period of work experience offered by an organization for a limited period of time, either paid or voluntary.                        |
| 9. Traineeship    | A traineeship is a course that includes a work placement. It can last from 6 weeks up to 6 months.                                    |
| 10. CV            | A document that presents your skills and qualifications effectively and clearly.  |
| 11. Cover Letter  | A letter that should accompany your application form or CV. It is short, introduces you, and explains why you are applying for a job. |
| 12. Job Interview | A meeting in which an employer asks the person applying for a job questions to see whether they suitable.                             |
| 13. Video Resume  | A short video created by a candidate for employment and uploaded for prospective employers to review.                                 |
| 14. Entrepreneur  | A person who sets up a business or businesses, taking on financial risks in the hope of profit.                                       |

#### What is the future of the Labour Market?

Young people will have longer careers. Rising life expectancy means young people will have an extended number of years in the workforce and will need to be **adaptable** and **flexible**.

A rise in average qualification levels will make a **lack of skills and qualifications** a bigger barrier to finding work and building a career.

More opportunities for young people to **work flexibly** with changes in technology and employment policy such as job share, remote working and flexible office space.

The working population will be **more diverse** with more younger, older, women & people with disabilities joining the labour market.

The growth in sectors such as **health** and **social care** are likely to continue to grow, and the nature of work will continue to change.

| Key Term        | Definition  |   |
|-----------------|---|---|
| 1. Ambitious    | Having or showing a strong desire and determination to work hard and succeed.                           |   |
| 2. Motivated    | Enthusiastic or determined to achieve goals.  |   |
| 3. Reliable     | Someone who can be trusted to behave well, work hard and do what is expected of them.                   |   |
| 4. Persistent   | Refusing to give up or stop trying.   |   |
| 5. Team Player  | A person who plays or works well as a member of a team  |   |
| 6. Self-Starter | A person sufficiently motivated or ambitious to work on their own initiative without needing direction. | 4 |