2018-19

Year 8 - Cycle Three 100% Book

Tutor group: _



| Name: | | | | | | | | | |
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Your 100% book and knowledge organisers

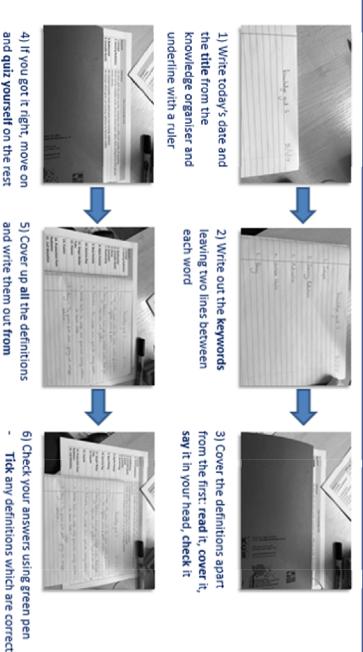
this knowledge for the long-term. what you have learnt in lessons in order to remember must know. This will help you recap, revisit and revise Knowledge organisers contain critical knowledge you

themselves after learning. Students remember 50% more when they test

part of your equipment. You must have this 100% book for every lesson – it is

finished the cycle or the year). You must keep your 100% books (even after you have

How do I use my 100% book for self-quizzing?





<u>in your head,</u> one by one

Correct any definitions not completely

Correcting spelling, punctuation and grammar

Your work will be marked across all subjects to help you improve your literacy. This is the code that will be used.

| С | orrecting your spelling, punctuation and grammar |
|---|---|
| Sp + underlined word | The underlined word is spelt incorrectly. Look, cover, write then check. Do this at least three times so you spell it correctly. |
| A circle around part of a word or a space | Your punctuation is incorrect, or something is missing (including capital letters). |
| ?+ wobbly line | You haven't explained your ideas clearly enough. |
| / | You need to start a new sentence here. Remember: full stop, capital letter. |
| // | You need to start a new paragraph here. Remember: new paragraphs for time, place, topic, person (TiPToP). |
| ^ | A word is missing where the arrow is pointing. |





YEAR 8 | ART AND DESIGN | KNOWLEDGE ORGANISER | PRINTING



| 1. Monoprinting | |
|-------------------|---|
| Printing Ink | Thick ink that can be rolled out thin and transferred to different surfaces with pressure |
| Brayer | A roller that spreads out ink evenly onto a surface |
| Mono | Of Greek origin meaning 'one' or 'single' |
| Additive Print | Drawing into ink and pressing paper into the design |
| Subtractive Print | Apply paper onto ink and draw on the back - the pressure picks up the ink |
| Blot | Dab paper or tissue onto the ink to remove or dry it |

| 2. Etching | |
|----------------|--|
| Etching | Scratching shapes and designs into the surface of a metal or acrylic plastic plate |
| Incised | To mark or decorate (an object or surface) with a cut or cuts |
| Printing Press | Device for applying a lot of pressure to an inked surface and to transfer onto paper |

| 2. William Morris | | |
|-----------------------------------|--|-----------------------|
| Born - Died | 24 March 1834 – 3 October 1896 | |
| Known For | British textile designer socialist activist part of the British 'Arts and Crafts movement' | |
| Produced | wall-paper designstextilesembroideriesstained glass windows | |
| What influenced his textile work? | Mainly based on a close observ | ration of nature |
| Repeat Pattern | The elements of a pattern repea | ated in a predictable |

| 2. Andy Warhol | | |
|---------------------|--|--|
| Born - Died | 6 August 1928 – 22 February 1987 | 4m market |
| Birthplace | Pittsburg, USA | |
| Worked In | New York City, USA | |
| Known For | making art that responded to mass-media culture of the 1960s silkscreen prints of cultural and consumer icons | Andy Warhol |
| Features of Work | celebrity subjectsbold and bright colours | simplified featuresrepeated image |
| Imagery Featured | popular and mass cultureadvertising and product labellingcomic booksmundane cultural objects | |

| 4. Sarah Grahan | ו | |
|---------------------|---|-------|
| Born - Died | 1977 – Present | Mous |
| Birthplace | Hitchin, UK | Thup? |
| Works In | Hertfordshire | |
| Known For | Hyper-real paintings of sweets and toys | |
| Features of Work | bright, vivid coloursextremely realistickitsch imageryblurred effect | |
| Famous Work | 2012 Album cover for rock band, Kaiser Chiefs | |
| Medium Used | Oil paints | |

Y8 Cycle 3 | Drama | Brecht

| A: Lesson 1 | |
|---------------------------|--|
| Bertolt Brecht | A German writer, director and practitioner who developed Epic Theatre |
| Performance Intention | The message that a play should make the audience think about |
| Alienation Effect | The process of using drama techniques to remind your audience they are watching a play |
| Direct Address | Stopping the action of the play to speak to the audience |
| Third Person Narration | Speaking about your character as a separate person |

| B: Lesson 2 | |
|---------------|--|
| Foreshadowing | Giving the audience clues about the outcome of the scene or the play before it happens |
| Placards | The inclusion of additional information in a written format |
| Theme | The main idea the performance is based on |
| Plot | The events that take place in a story |
| Climax | The most intense, exciting or important moment in a story |

| C: Lesson 3 | |
|-----------------------------|--|
| Multi Role | One actor playing two or more characters in a play |
| Split Role | One character being played by two or more actors |
| Representational Costume | A costume that uses one item to represent a character for quick simple character changes |
| The Fourth Wall | An imaginary wall between the audience and performance space |

| D: Lesson 4 | |
|----------------------|--|
| Juxtaposition | Contrasting ideas being seen or placed close together to create a strange effect |
| Time Jumps | Points in the play that go back and fourth in time through the narrative |
| Narrative | A spoken or written account of connected events |
| Political Theatre | A type of theatre known for making comments on current political events |

English - Year 8 - Cycle 3 – Shakespeare's Romeo and Juliet

| ∢ | Dramatic Devices | |
|----------|---|--|
| 1 | prologue (n) | An introductory section of a work of literature, drama or music; acts as a framing device |
| 2 | monologue (n) | A long speech by one character in a play or film |
| m | chorus (n) | Actor(s) who are 'outside' the narrative, and who comment on the action and guide the audience |
| 4 | aside (n) | When a character briefly speaks to the audience, unheard by the other characters onstage |
| 2 | soliloquy (n) | When a character speaks his or her thoughts aloud |
| 9 | dramatic irony (n) | When readers / the audience are aware of something which the characters onstage are not |
| m | Literary Devices | |
| 7 | iambic pentameter (n) | A line of poetry with five sets of unstressed / stressed syllables (da-DUM \times 5) |
| œ | Shakespearean sonnet (n) | A poem written in a set 14-line structure |
| 6 | volta (n) | Italian word for 'turn'; the shift in a poem |
| 10 | emotive language (n) | Deliberately chosen words to bring up emotion |
| 11 | juxtaposition (n) | Two ideas or images being placed close together to highlight the contrast |
| 12 | oxymoron (n) / | A figure of speech with two words that contradict each |
| | oxymoronic | other |
| 13 | antithesis/es (n) / antithetical (adj) | Opposite idea(s) |
| 14 | imagery (n) | Language that describes by appealing to the senses, particularly visuals |
| 15 | figurative language (n) | Words or phrases that present a different meaning to the literal one, e.g. metaphor |
| 16 | cyclical structure (n) | When the end of a text mirrors or echoes the beginning |
| ပ | Key Vocabulary | |
| 1 | subvert (v) / subversion (n) | Removing power (undermining), or not following expectations |
| 2 | patriarchy (n) / patriarchal (adj) | A system of society or government controlled by men |
| က | martial honour (n) | A code of behaviour which your reputation depends on |
| 4 | fate / fortune (n) | Destiny, as decided by the stars / universe |
| 2 | free will (n) | Having control over your life, not dependent on fate |
| 9 | feud (n) | A long-standing and bitter argument or dispute |

| _ | dehumanisation (n) / | Domoving a postona's burnan analitios |
|---|-----------------------|--|
| | dehumanise (v) | netitoving a person s naman quanties |
| ∞ | objectification (n) / | Not to the second of the secon |
| | objectify (v) | ivot seenig sonifedire as a person but as an object |

| D) Shakespearean | Modern English |
|------------------|----------------|
| thou / ve / thee | nox |
| thine / thy | your |
| ay | yes |
| art | are |
| aught | anything |
| dost / doth | op |
| 'ere | before |
| haste | urgency |
| hast | have |
| hence | from here |

| E) Shakespearean English | Modern English |
|-----------------------------|------------------|
| hereafter | from now on |
| hie | hurry |
| hither | here |
| oft | often |
| tis, | it is |
| 'twas | it was |
| wast | were |
| whence | from where |
| would (he were) | I wish (he were) |
| yon, yonder | that one there |
| | |

| ц - | The Prologue |
|-----|---|
| 7 | In fair Verona, where we lay our scene, |
| m | From ancient grudge break to new mutiny, |
| 4 | Where civil blood makes civil hands unclean. |
| Ŋ | From forth the fatal loins of these two foes |
| 9 | A pair of star-cross'd lovers take their life; |
| _ | Whose misadventured piteous overthrows |
| ∞ | Do with their death bury their parents' strife. |
| 6 | The fearful passage of their death-mark'd love, |
| 10 | And the continuance of their parents' rage, |
| 11 | Which, but their children's end, nought could remove, |
| 12 | 12 Is now the two hours' traffic of our stage; |
| 13 | The which if you with patient ears attend, |
| 14 | 14 What here shall miss, our toil shall strive to mend. |

Year 8 French - Cycle 3

Important Verbs to Memorise

| 1. Etre | То Ве | 4. Refl | exive Verbs | 6. Present Ten | se Weather | g |). Personality | 13. T | ime Phrases |
|-------------|----------------|-----------------------|--------------------------|--------------------------|--------------------|-------------|------------------------|-------------|-------------------|
| Je suis | l am | Je me rase | I shave | Il neige | It's snowing | Aimable | Likeable | D'habitude | Usually |
| Tu es | You are | Je me maquille | I put on make up | Il y a du soleil | It's sunny | Généreux | Generous | Normalement | Normally |
| Elle est | She is | Je me réveille | I wake up | II fait beau | It's nice | Méchant | Nasty | Le matin | In the morning |
| Il est | He is | Je m'habille | I get dressed | Il pleut | It's raining | Menteur | Liar (as an adjective) | Le soir | In the evening |
| Nous sommes | We are | Je me douche | I shower | ll y a du brouillard | It's foggy | Timide | Shy | Maintenant | Now |
| On est | We are | Je m'entends avec | I get on with | II fait chaud | It's hot | Egoïste | Selfish | Aujourd'hui | Today |
| Vous êtes | You (all) are | Je me dispute | l argue | Il fait froid | It's cold | Bavard | Chatty | Demain | Tomorrow |
| lls sont | They are | 5. / | Activities | Il fait mauvais | It's bad | 1 | 0. Photocard | Avant | Before |
| 2. Aller | To Go | Du VTT | Mountain biking | 7. Past Tense | Weather | À droite | Right | 14. (| Connectives |
| Je vais | l go | De la voile | Sailing | Il pleuvait | It was raining | À gauche | Left | Donc | Therefore |
| Tu vas | You go | De la planche à voile | Windsurfing | Il neigait | It was snowing | À côté de | Next to | Puis | Then |
| Elle va | She goes | De la randonnée | Hiking | II faisait beau | It was nice | Devant | In front | Aussi | Also |
| II va | He goes | De l'escalade | Climbing | Il gelait | It was freezing | 11 | . Modal Verbs | Par contre | On the other hand |
| Nous allons | We go | De l'accrobranche | Tree climbing | Il y avait du vent | It was windy | Je veux | I want | Cependant | However |
| On va | We go | De la pêche | Fishing | Il y avait du brouillard | It was foggy | Je voudrais | I would like | Toutefois | However |
| Vous allez | You (all) go | Dormir | To sleep | II faisait froid | It was cold | Je peux | l can | 15. 9 | Sequencers |
| lls vont | They go | Sortir | To go out | Il faisait mauvais | It was a bad day | 12. | The Conditional | Ensuite | Next |
| 3. Avoir | To Have | Acheter | To buy | 8. Holiday Places | and Facilities | Il serait | He would be | Puis | Then |
| J'ai | I have | Rester | To stay | Une pension | B&B | Je serais | I would be | En fin | Finally |
| Tu as | You have | Manger au restaurant | To eat at the restaurant | Une gite | A cottage | Il aurait | He would have | 16. | Quantifiers |
| II a | He has | Se bronzer à la plage | To tan at the beach | Un hôtel de cinq étoiles | A five star hotel | II y aurait | There would be | Beaucoup | A lot |
| Elle a | She has | Se reposer | To relax | Un appartement | A flat | | | Trop | Too much |
| Nous avons | We have | S'amuser | To have fun | Une salle de jeux | A games room | | | | |
| On a | We have | | | Sur la côte | On the coast | | | | |
| Vous avez | You (all) have | | | A la campgane | In the countryside | | | | |
| Ils ont | They have | | | En ville | In town | | | | |
| | | | | A la montagne | In the mountains | | | | |
| | | | | A la plage | At the beach | | | | |

Tectonics

Y8 Geography

| Cvc | ما | 3 |
|-----|----|---|
| CVU | ı | J |

| Α | L1: Earth's Structure | | |
|------------------------|-----------------------|---|--|
| Earth': Struct | | Crust Mantle Outer Core Inner Core | |
| Continental Plates | | Part of the Earth's crust which forms over large land masses | |
| Oceanic Plates | | Part of the Earth's crust which forms as the floor of oceans | |
| Convection Currents | | The rise and fall of magma in the mantle causing tectonic plates to move | |

| L4: Volcanoes | | | |
|---|--|--|--|
| A mountain which has a crater or vent which erupts lava and gas from the mantle | | | |
| Hot fluid material below or within the Earth's crust | | | |
| Erupted magma from a volcano | | | |
| A domed volcano with gently sloping sides | | | |
| A large, steep volcano built up of layers of lava and ash | | | |
| | | | |

| В | L2: Tectonic Hazards | | |
|--------------|-----------------------------|--|--|
| Destructive | | Two continental plates collide | |
| Constructive | | Two plates move apart | |
| Subduction | | An oceanic plate collides with a continental plate | |
| Conservative | | Two plates slide past each other | |

| E | L5: Montserrat Volcano | | | | |
|----------------------|------------------------|--|--|--|--|
| Pyroclastic flows | | A dense, destructive mass of very hot ash, lava and gases ejected from a volcano which flows at high speed | | | |
| Impact | | 19 people killedhomes destroyed | | | |
| Responses | | evacuationservices in the north of the island were expanded | | | |
| _ | | | | | |

| С | L3: Earthquakes and Tsunamis | | |
|------------|------------------------------|---|--|
| Earthquake | | A sudden violent shaking of the ground due to tectonic activity | |
| Tsunami | | A long and high sea wave caused by an earthquake | |
| Magnitude | | Measures the strength of an earthquake | |
| Epicentre | | The point on the Earth's surface directly above the focus of the earthquake | |

| F | L | 6: Monitoring Hazards | |
|-------------|---|--|--|
| Prediction | | A forecast for the future | |
| Monitoring | | Observing something | |
| Preparing | | Being ready for something | |
| Seismometer | | An instrument which measures the movement of the Earth's surface | |

| G | L7: : Haiti Earthquake | | |
|--------------------|-------------------------------|---|--|
| Magnitude | | Magnitude 7 earthquake, 25km southwest of Port-au-Prince | |
| Social Impact | | 220,000 deaths1.3 million homeless | |
| Economic Impact | | airport and port damaged30,000 commercial buildings destroyed | |
| Prima Respo | • | Charity donationsUnited Nations sent troops to distribute aid | |
| Secon Respo | • | 'cash for work' programmes are paying to clear rubble schools rebuilt | |

| Н | L8: Christchurch Earthquake | | |
|----------------------|-----------------------------|--|--|
| Magn | itude | Magnitude 6.3 earthquake | |
| Social Impact | | 181 deathsschools closed for two weeks | |
| Economic Impact | | businesses closed for a long time 50% of the cities buildings damaged | |
| Primary Responses | | \$6-7 million of international aid areas were closed to assess damage | |
| Secon Respo | | \$898 million in building insurance claims all water and sewage pipes restored within five months | |

Year 8 History | Cycle 3 – Industrial Revolution

| Box 1: Life Before the Industrial Revolution | | |
|--|--|--|
| 1. Cottage Industries | small-scale business or manufacturing that took place in people's homes mainly used hand tools or basic machines, e.g. handlooms | |
| 2. Power Sources | animal power – work or energy produced from animals, e.g. horses wind power – work or energy produced from wind, e.g. windmill water power – work or energy produced from water, e.g. mill | |

| | Box 2: Developments |
|-------------------|---|
| 3. Inventions | steam engine = machine that used coal to heat water and create steam to generate power power loom = a loom that was powered by steam |
| 4. Canals | canal = a manmade river canal barges replaced horses as form of transporting goods by 1850, Britain had a network of 4,000 miles of canals |
| 5. Steam Train | 1829 = George Stephenson invented the Rocket - a steam train that travelled 30mph the Rocket was used to travel between Liverpool and Manchester |

| Box 3: Impacts of the Industrial Revolution | | |
|---|---|--|
| 6. Railway Age | at the start of the period, London to Bristol took 19 hours by horse; by 1841 it took four hours by train by 1841 it took four hours by train Isambard Kingdom Brunel was an engineer who built the Great Western Railway | |
| 7. Economic Effects of Transport | 1850s and 1860s, rapid economic growth because trains cut the cost of transporting goods 1847 more than 250,000 people worked on the railways their wages helped the economy grow as people had more money to spend | |

| 8. Effects of Telegraphs | telegraph wires were laid next to railway lines to transmit messages, known as telegrams near-instant communication from one end of Britain to the other by 1902, the whole British Empire was linked together by a network of telegraph cables called the 'All Red Line' |
|-----------------------------|---|
| 9. Factory Life | scavengers = children in factories who dangerously crawled beneath machines to pick up loose cotton workhouses = institutions built to provide factory work and accommodation for the poor and unemployed |
| 10. Luddites | Luddites were textile weavers could not compete with factories so they attacked factories and destroyed machines |
| 12. Urbanisation | London: 1810 – one million people; 1911 – seven million people back-to-back houses were cheaply built and were terraced with no back yard and little natural light |
| 13. Disease | cholera – caused by contaminated water effects: diarrhoea → dehydration → death phossy jaw – caused by fumes from matchstick factories; destroys the bones in the jaw |

| Box 4: Reforms (Changes Made) | | |
|---|--|--|
| 14. Laissez-faire Attitude | government's policy of not intervening in people's lives and leaving society to function by themselves | |
| 15. Public Health – Edwin Chadwick | Edwin Chadwick – social reformer who said the government should be responsible for the health of the people 1848 First Public Health Act, but was not compulsory 1875 second Public Health Act, was compulsory | |
| 16. Joseph Bazalgette | An engineer who built 82 miles of sewers between 1859-1875 Sewers linked to a large sewer beneath the Thames, which pumped human waste to sea | |

| 17. Social Reform | the Factory Act = Passed by Lord Ashley made it illegal for textile factories to employ children under the age of nine the Mines Act = stopped women, girls and boys under 10 working below ground in mines |
|----------------------|---|
| 21. Education | 1880 Education Act = school compulsory for children under 10 1902 Education Act = established a system of secondary schooling |
| 22. Law and Order | no police before industrial revolution – only unpaid parish constables crime increased due to urbanisation Metropolitan Police Act 1829 = 1,000 full time paid London policemen 1856 = Police force made compulsory across England |
| 23. Prison Reform | Elizabeth Fry visited Newgate prison and realised the bad conditions led to Gaols Act = prison inspections |

| Box 5: Key Terms | |
|------------------------------|--|
| 24. Industrial Revolution | the mid-1700s to the early 1800s period of time which saw changes in manufacturing methods through increased use of machines period saw a revolution in power use including steam power and railways |
| 25. Manufacture | to make something on a large scale using machinery |
| 26. Trade Union | a group that fights for workers' rights |
| 27. Industrialisation | the process of using factories rather than hand-making |

| A: Percentages | | |
|----------------------------------|--------------------------------|--|
| Change a decimal to a percentage | x 100 | |
| Change a percentage to a decimal | ÷ 100 | |
| Multiplier for increase of n% | 1. 100 + n 2. Divide by 100 | |
| Multiplier for decrease of n% | 1. 100 - n 2. Divide by 100 | |

| B: Volume | | |
|-----------|-----------------------------------|----------------------|
| Cuboid | lxwxh | h |
| Prism | Area of cross section x length | arous section length |

| C: Averages and Range | | |
|-----------------------|---|--|
| Mean | Add the numbers up and divide by how many numbers there are | |
| Median | Write the numbers in order and find the middle number | |
| Mode | The most common number | |
| Range | Biggest number – smallest number | |

Year 8 Maths Cycle 3 Knowledge Organiser

| D: Surface Area of a Cuboid | | | | |
|-----------------------------|-----------------------------|-----------------|--|--|
| Step 1 | Area of top and bottom | 2 x l x w = 2lw | | |
| Step 2 | Area of front and back | 2 x h x w = 2hw | | |
| Step 3 | Area of left and right side | 2 x l x h = 2lh | | |
| Step 4 | Total Surface Area | 2lw + 2hw +2lh | | |

| E | E: Surface Area of a Cylinder | | | | |
|--------|-------------------------------|---------------------|--|--|--|
| Step 1 | Area of two bases | 2 x πr ² | | | |
| Step 2 | Circumference of the circle | πxd | | | |
| Step 3 | Curved surface area | $\pi x d x h$ | | | |
| Step 4 | Total Surface Area = | $2\pi r^2 + \pi dh$ | | | |

| F : Parts of a 3D Shape | | | |
|-------------------------|--|--|--|
| Face | The flat surface of a solid shape | | |
| Edge | The side of a shape where two faces meet | | |
| Vertex | The corner of a shape where two or more edges meet | | |

| G: 3D Shapes | | | | | |
|----------------------------|-------|-------|----------|---------|--|
| Name | Faces | Edges | Vertices | Diagram | |
| Cone | 2 | 1 | 1 | | |
| Sphere | 1 | 1 | 0 | | |
| Tetrahedron | 4 | 6 | 4 | | |
| Cuboid | 6 | 12 | 8 | | |
| Cylinder | 3 | 2 | 0 | | |
| Cube | 6 | 12 | 8 | | |
| Triangular Prism | 5 | 9 | 6 | | |
| Square Based Pyramid | 5 | 8 | 5 | | |

Year 8 Music – Knowledge Organiser – Cycle 3 – Blues Music

| | 1. Cycle 3 Keywords | |
|---|---|--|
| Blues Music A style of music originating in America at the beginning of the 20th Century | | |
| Musical Ensemble | A group of musicians playing music together | |
| Tablature A way of writing music down using numbers, mos commonly used with the guitar | | |
| Scale A set of musical notes | | |
| Bar Used to group musical beats together, e.g. ir etc. | | |
| Lyrics | The words in a song | |
| Chord Sequence | A group of chords played repeatedly | |

| | 2. Instruments Used in Blues Music |
|--|--|
| Vocals | The part of a piece of music that is sung |
| Acoustic Guitar | A guitar that creates its sound naturally without the need to be plugged into an amplifier |
| Electric Guitar A mid to high pitched stringed instrument that is plugged into an amplifier so that it can be playe loud volume | |
| Piano An acoustic musical instrument invented aroun year 1700 | |
| Electric Bass Guitar | A low-pitched stringed instrument that is also plugged into an amplifier |
| Harmonica | A small instrument that is blown to create a sound |

| 3. Features of Blues Music | | | | |
|-----------------------------------|---|--|--|--|
| Improvisation | Music that is created in the moment, that is not prepared before it is performed | | | |
| AAB Lyric Structure | Blues music lyrics are usually sung in this order, i.e. A (sentence 1), A (sentence 1 repeated), B (sentence 2) | | | |
| 12 Bar Blues | A very common chord sequence used in Blues music, lasting for 12 bars | | | |
| Guitar / Harmonica Solo | A section in a song where the guitar or harmonica takes over from the voice as the main instrument in the song | | | |
| Blues Scale | A six note scale that is used to improvise in Blues music | | | |
| Syncopation | The word used to describe any jumpy, off beat rhythm | | | |
| Shuffle / Swing | A type of rhythm regularly used in Blues music | | | |
| Slide | A metal or glass tube, commonly used when playing the guitar in Blues music | | | |
| Dominant 7 th Chord | A type of four note chord | | | |
| Walking Bass Line | A type of bass line often used in Blues music that typically features a different note played on every beat | | | |

Religious Studies Cycle 3 – Year 7: History of Christianity

| Sec | Section 1: Key Terms | | | |
|-----|---------------------------------|---|--|--|
| 1 | Church of the Holy Sepulchre | The church on the site where Jesus was crucified and buried, located in Jerusalem | | |
| 2 | The Roman Catholic Church | The largest Christian Church with around 1.3 billion members. It is headed by the Bishop of Rome, known as the Pope. Its headquarters is in Vatican City (a small state located inside Rome) | | |
| 3 | Protestant | A member or follower of any of the Western Christian Churches that are separate from the Roman Catholic Church; they follow the principles of the Reformation | | |
| 4 | The Eastern Orthodox Church | The second largest Christian Church with around 260 million members. It has many churches which are governed by its bishops. They do not have a Pope but recognise the Ecumenical Patriarch of Constantinople as a leader | | |
| 5 | Denomination | A recognised branch of the Christian Church | | |
| 6 | Evangelism | The spreading of the Christian message to try and convert those who are not Christian | | |
| 7 | The Enlightenment | A period in the 18 th century where people began to turn to reason and science rather than faith | | |
| 8 | Ecumenical | Promoting worldwide Christian unity and cooperation | | |
| 9 | Hillsong Church | An evangelical Christian mega-church | | |

| Sec | Section 2: Key Figures | | | | | |
|-----|---------------------------------------|--|--|--|--|--|
| 1 | Jesus Christ (0 – 36AD) | First century Jewish preacher and leader; Christians believe him to be an incarnation of God | | | | |
| 2 | St Peter (1 – 68 AD) | Said to have founded the Church in Rome; Catholics view him as the first Pope | | | | |
| 3 | St Paul (5 – 67 AD) | One of the most important figures in Christianity; he founded several Churches in Turkey and Europe | | | | |
| 4 | Emperor Constantine (272 – 337 AD) | The first Roman emperor to convert to Christianity | | | | |
| 5 | Martin Luther (1483 – 1546 AD) | Rejected many teachings of the Catholic Church; he taught that the Bible should be the only source of authority for Christians | | | | |
| 6 | Pope Leo X (1475 – 1521 AD) | The Pope during the reformation | | | | |
| 7 | Augustine of Hippo (354-430 AD) | Helped to create the doctrine of original sin and made many other significant contributions to Christianity | | | | |
| 8 | David Hume (1711 – 1776 AD) | A Scottish philosopher who is best known for his focus on using reason rather than faith | | | | |
| 9 | Pope Francis (1936 AD) | The current leader of the Catholic Church | | | | |

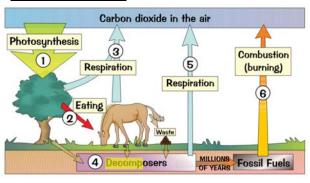
| Sec | Section 3: Key Events | | | |
|-----|--|--|--|--|
| 1 | Edict of Milan (313 AD) | An agreement to treat Christians kindly within the Roman Empire | | |
| 2 | Council of Nicea (325 AD) A meeting of different types of Christians which tried to establish the nature of the relationship between God the Father and God the Son | | | |
| 3 | The Great Schism (1054 AD) | The break between what is now the Catholic Church and the Eastern Orthodox churches | | |
| 4 | The Reformation (1517 – 1648 AD) | A period of 'reform' where some Christians rejected the authority of the Catholic Church; this began Protestantism | | |
| 5 | The Enlightenment (1685 – 1815 AD) | A period in the 18 th Century where people began to turn to reason and science rather than faith | | |
| 6 | The Second Vatican Council (1962 – 1965 AD) | A council which met to discuss the relationship between the Catholic Church and the modern world; it took place between 1962-1965 | | |

| Section 4: Leaders / Titles | | | |
|-----------------------------|--|---|--|
| 1 | Pope | The supreme pontiff (greatest priest), the Bishop of Rome and the leader of the Catholic Church | |
| 2 | Ecumenical Patriarch of Constantinople | "The first among equals" – leader of the Eastern Orthodox Church | |
| 3 | Caesar | A title used by Roman emperors | |
| 4 | Patriarch | The highest ranking bishops in Eastern Orthodoxy, Oriental Orthodoxy and the Catholic Church | |
| 5 | Bishop | A senior member of the Christian clergy, usually in charge of a diocese and empowered to confer holy orders | |
| 6 | Archbishop of Canterbury | The leader of the Church of England 12 | |

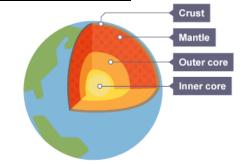
Science: Materials and the Earth

| 1 | Atmosphere | the gases that surround a planet on Earth, this is mainly made of nitrogen and oxygen (plus a small | 11 | Core | the centre of the Earthmade of iron and nickel |
|----|----------------------|--|----|---------------------|--|
| 2 | Combustion | amount of carbon dioxide) a process that releases carbon dioxide into the atmosphere | | Tectonic Plates | the Earth's crust is divided up into tectonic plates, which can move slowly earthquakes and volcanoes occur at the boundaries between tectonic plates |
| 3 | Photosynthesis | a process carried out by plants and algae, which removes carbon dioxide from the atmosphere carbon dioxide + water → glucose + oxygen | 13 | Igneous Rock | formed from melted underground rock (magma) when cooled slowly underground, it has smaller crystals, e.g. granite when cooled quickly above ground, it has |
| 4 | Respiration | a process carried out by all living things, which adds carbon dioxide to the atmosphere glucose + oxygen → carbon dioxide + water | 14 | Weathering | when cooled quickly above ground, it has larger crystals, e.g. basalt when rock is broken down into smaller pieces three types: chemical, physical, biological |
| 5 | Decomposer | an organism, e.g. bacteria or fungi, that breaks down dead matter | 15 | Sedimentary Rock | formed from layers of sediment (tiny bits of rock) may contain fossils (dead animal and plant remains), e.g. limestone / chalk |
| 6 | Deforestation | chopping down trees reduces the amount of carbon dioxide that can be removed from the atmosphere | | Metamorphic Rock | formed when heat and pressure act on existing rocks for long periods of time, e.g. marble / slate |
| 7 | Greenhouse Effect | when carbon dioxide and methane trap heat from the Sun in the atmosphere | | Recycling | using old, unwanted materials to make new products uses fewer natural resources, less energy and saves money |
| 8 | Global Warming | an increase in global mean temperatures caused by the greenhouse effect causing polar ice caps to melt and | | Ore | a rock containing enough metal compound to make it worthwhile extracting the metal from |
| 9 | Crust | rainfall patterns to change the outer layer of the Earth, which we live on made of thin, solid rock | | Impact | economic: affects money, e.g. quarries provide jobs, so have a positive economic impact social: affects groups of people environmental: affects the environment, |
| 10 | Mantle | a thick, semi-liquid layer of rock underneath the Earth's crust | | | e.g. quarries are dusty and noisy, so have a negative environmental impact |

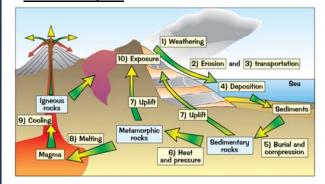
The Carbon Cycle:



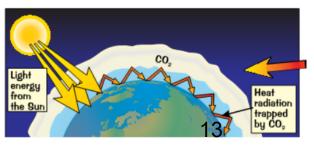
Structure of the Earth:



The Rock Cycle:



The Greenhouse Effect:



8 Science: Electricity and Magnetism

| 1 | Current | a flow of charge (electrons) around a circuit measured in amps (A) formula symbol is I | | | |
|---|-------------------------|---|--|--|--|
| 2 | Electrons | a negatively charged particlerelative charge of -1 | | | |
| 3 | Potential Difference | also called voltage the amount of energy carried by the charge measured in volts (V) formula symbol is V | | | |
| 4 | Resistance | slows down the flow of current it is measured in ohms (Ω) formula symbol is R | | | |
| 5 | Series Circuit | There is only one route for the current to take so the circuit has no branches | | | |
| 6 | Parallel Circuit | There is more than one route that the current can take | | | |
| 7 | Circuit Diagram | Represents real circuits showing all of the components | | | |
| 8 | Cell | A single electrical energy source | | | |
| 9 | Battery | Two or more cells put together | | | |

| 10 | —⊗— | Filament bulb |
|----|------------|---|
| 11 | \Diamond | voltmetermeasures potential difference |
| 12 | Á | ammeter measures current |

| 13 | | Open switch | | | |
|----|------------------|--|--|--|--|
| 14 | | Closed switch | | | |
| 15 | | Diode | | | |
| 16 | 4 | variable resistor (also called a rheostat) | | | |
| 17 | Insulator | materials that do not let electricity pass through they have high resistance | | | |
| 18 | Static Charge | an object can gain a charge if it gains or loses electrons objects gaining electrons will become negatively charge objects losing electrons will become positively charged | | | |

| 19 | Attract | Two objects with opposite charges will be attracted to each other | | |
|----|---------|--|--|--|
| 20 | Repel | Objects with like charges will move away (repel) from each other | | |
| 21 | Magnets | have a north and south pole they have an invisible magnetic field around them like poles repel, unlike poles attract | | |

| 22 | Earth's Magnetic Field | the Earth has a magnetic field it has a north and south pole compasses line up with the magnetic field they always point to north |
|----|---|--|
| 23 | Electro-magnet | a magnet made from a coil of wire wrapped around a soft iron core with a current passing through the wire you can turn them on or off |
| 24 | Increasing the Strength of an Electromagnet | more current in the wiremore turns on the coil |
| 25 | Electric Motor | made from a loop of wire in a magnetic field when a current flows through the wire a magnetic field forms around the wire wire feels a force and turns |

Working Scientifically

| A) Terminology | | | |
|----------------|-------------------------|---|--|
| 1 | Independent variable | What you are investigating / changing in the investigation | |
| 2 | Dependent variable | What you will measure in the investigation | |
| 3 | Control variables | What you will keep the same | |
| 4 | Hazard | Something that could cause harm | |
| 5 | Example hazards | Microorganisms, electricity, chemicals, fire | |
| 6 | Risk | The chance that a hazard could cause harm | |
| 7 | Repeatable | If the same person does the experiment again and gets similar results | |
| 8 | Reproducible | If someone else does the experiment and gets similar results | |
| 9 | Valid | Results that have been collected from a fair test | |
| 10 | Accurate results | Results that are close to the true value | |
| 11 | Precise results | Results that are close to mean of the repeated results | |

| В) | B) Unit Conversions | | | | |
|----|---|--------|--|--|--|
| 1 | km → m | × 1000 | | | |
| 2 | m → cm | × 100 | | | |
| 3 | cm → mm | × 10 | | | |
| 4 | mm \rightarrow micrometre (μ) | × 1000 | | | |
| 5 | micrometre $(\mu) \rightarrow$ nanometre (nm) | × 1000 | | | |
| 6 | mega → kilo | × 1000 | | | |
| 7 | giga → mega | × 1000 | | | |

| C) (| C) Comparing units | | | |
|------|--------------------|---------------------------------------|--|--|
| 1 | Mega (M) | 1 000 000 times bigger than base unit | | |
| 2 | Kilo (k) | 1000 times bigger | | |
| 3 | Deci (d) | 10 times smaller | | |
| 4 | Centi (c) | 100 times smaller | | |
| 5 | Milli (m) | 1000 times smaller | | |
| 6 | Micro (μ) | 1 000 000 times smaller | | |

| D) | D) Scientific equations | | | | |
|----|--|---|--|--|--|
| 1 | Equations | Show relationships between variables | | | |
| 2 | The subject of an equation | The variable by itself on one side of the equals sign | | | |
| 3 | Changing the subject of an equation | Do the same thing to both sides of the equation until you have the subject you want | | | |

Example: changing the subject of an equation

speed = distance / time

Aim: To make distance the subject.

a) Multiply both sides by time:

speed x time = distance x time / time

b) Time is now on the top and bottom of the fraction, so it cancels out:

speed x time = distance x time / time

c) This leaves distance as the subject:

distance = speed x time

| Year 8 Spanish – Holidays and Clothes | | 4) ¿Qué hiciste? | What did you do? | 8) ¿Qué llevas? | What do you wear? | | ar? |
|--|------------------------|-----------------------|----------------------------|---------------------------|-------------------|-----------------------------|------------|
| 1) ¿Qué es lo más importante? What's the most important thing? | | Visité monumentos | I visited monuments | Llevo / llevamos | I wear / we wear | | |
| Lo más imoprtante para mí es | | Compré una camiseta | I bought a t-shirt | Un jersey | A jumper | | |
| la playa | The beach | Saqué fotos | I took photos | Un vestido | A dress | | |
| El sol | The sun | Monté en bicicleta | I rode my bike | Una falda | A skirt | A skirt | |
| Las tiendas | The shops | Bailé | I danced | Una gorra | A cap | | |
| Los deportes acuáticos | Water sports | Nadé en el mar | I swam in the sea | Una camiseta | A t-shirt | | |
| La gente | The people | Tomé el sol | I sunbathed | Una camisa | A shirt | | |
| El mar | The sea | Salí | I went out | Una sudadera | A hoodie | | |
| Explorar | To explore | Cómí comida típica | I ate typical food | Unos vaqueros | A pair of | jeans | |
| Descansar | To rest | Escribí SMS | I wrote text messages | Unos zapatos | A pair of | shoes | |
| Tomar el sol | To sunbathe | Conocí a gente nueva | I met new people | Unas botas | A pair of | A pair of boots | |
| Ir de compras | To go shopping | Vi lugares de interés | I saw places of interest | 9) Descripción de ropa | Clothes D | Clothes Descriptions | |
| Ser activo | To be active | 5) ¿Cómo fue? | How was it? | Más que Menosque | | More than less than | |
| 2) ¿Adónde fuiste? | Where did you go? | Me gustó | I liked it | Cómodo / incómodo | Comfort | Comfortable / uncomfortable | |
| El año pasado | Last year | Fue genial | It was great | Anticuado | Old fashi | oned | |
| El verano pasado | Last summer | Lo pasé bomba | I had a wicked time | Bonito | Pretty | | |
| El invierno pasado | Last winter | Fue un desastre | It was a disaster | Caro / barato | | Expensive / cheap | |
| Hace dos años | Two years ago | 6) ¿Qué tiempo hizo? | What was the weather like? | 10) Este / estos | · | This / These | |
| Fui a | I went to | Hizo calor | | | This | lese | |
| Fuimos a | We went to | | It was hot | | + | | |
| España / Los Estados Unidos | Spain / United States | Hizo frío | It was cold | Estos (masc) Estas (fem) | These | | |
| 3) ¿Cómo fuiste? | How did you get there? | Llovió | It rained | 11) Future tense | El Futuro | | |
| En coche | By car | Nevó | It snowed | I am going to | Voy | | infinitive |
| En avión | By plane | 7) Una secuencia | Sequencers | You are going to | Vas | | llevar |
| En autocar | By coach | El primer día | On the first day | He / she / it is going to | Va | | hablar |
| En tren | By train | Luego | Then | We are going to | Vamos | a | |
| Es rápido | It's fast | Más tarde | Later on | You all are going to | Vais | 16 | escribir |
| Es menos caro | It's less expensive | Después | After | They are going to | Van | | escuchar |