



Knowledge Map - Term 2

Upper School

| English/ Drama | Maths | Science |
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| <p>Austen: Entry Level 1: Reading and Writing: Know how to identify and extract the main information from short statements and explanations. Know how to understand a short piece of text on a simple subject. Know how to use a capital letter for the personal pronoun 'I' and the first letter of proper nouns. Know how to communicate information in words, phrases and simple sentences. Know how to punctuate simple sentences with a capital letter and a full stop.</p> <p>Entry Level 2: Reading and Writing: Know how to understand the main points in texts. Know how to use effective strategies to find the meaning of words and check their spelling (e.g. a simple dictionary, spell- checker) Writing: Know how to write in compound sentences, using common conjunctions (e.g. or, and, but) to connect clauses. Know how to form regular plurals. Know how to spell and identify common prefixes and suffixes.</p> <p>Entry Level 3: Reading and Writing: Know how to identify, understand and extract the main points and ideas in and from texts. Know how to respond appropriately to questions on a range of straightforward topics. Know how to use mostly correct grammar, (e.g. subject-verb agreement. Know how to use consistent use of tense.</p> | <p>Austen: Entry Level 1: The 4 Operations: Know the number bonds to 10. Know how to add 1 digit and 2-digit numbers. Know the 2 times table.</p> <p>Entry Level 2: The 4 Operations: Know how to add numbers to make 100. Know the 3,4 and 8 times table. Know how to multiply using arrays.</p> <p>Kinney: Entry level 3: The 4 Operations: Know how to add numbers up to 4 digits. Know how to subtract numbers up to three 4. Know informal and formal methods to calculate multiplication and division calculations. Know prime, square and cube numbers.</p> <p>Angelou: Entry Level 3: The 4 Operations: Know how to be able to use formal addition and subtraction. Know how to use formal addition and subtraction. Know how to use the inverse calculation to check my answer. Know how to find factors and multiples of a number. Know how to use my multiplication knowledge to explore prime, square and cube numbers. Know how to understand the short division method. Know how to use the long division methods to calculate. Know how to perform a range of calculations mentally and in the correct order.</p> <p>FS Level 1 & 2: The 4 Operations:</p> | <p>Austen: WJEC Entry 2: Variation and adaptation: Know about the range of organisms in an environment Know how to identify ways in which organisms are adapted to their environment. Know about factors that affect the range of organisms in an environment. Know how to identify natural factors that affect the range of organisms found in an environment. Know how to identify ways in which human activity can affect the range of organisms found in an environment. Know that organisms are interdependent. Know how to construct a simple food chain, identifying predator and prey. Know how to identify organisms in a particular habitat.</p> <p>Kinney: WJEC Entry 2: Working with Electrical Circuits: Know the basic principles of electrical circuits by identifying the simple electrical components and how electricity travels around a circuit. Know some energy changes that take place in an electrical circuit. Know how to use electricity safely. Know how to make simple circuits.</p> <p>WJEC Entry 3: Working with Electrical Circuits: Know the basic principles of electrical circuits by stating the electrical components and how electricity travels around a circuit. Know how energy changes as it passes around an electrical circuit. Know how to use electricity safely.</p> |

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Know how to use the first, second and third place letters to sequence words in alphabetical order.

Kinney:

Entry level 3: Reading / Writing:

Know how to extract the main points from a text.

Know how to use the correct subject-verb agreement in their writing.

Know how to use the correct tense in writing.

Know how to use the correct definite and indefinite article.

Angelou:

FS Level 1: Reading / Writing:

Know how to identify different types of text from their features.

Know how to write different types of texts.

Know how to draw meanings from texts.

Know how to use direct retrieval to answer comprehension questions.

GCSE: Reading / Writing:

Know how to comment on language and structure to explore meanings in texts.

Know how to use effective quotations to support findings.

Drama

ASDAN Entry 2: Playing a character in a drama Production:

Know the order of a story for a drama production.

Know how to explore the different characters in the story.

Know how to explore costume choices for different characters in the story.

Know how to participate in a drama production of the story.

Know how to add and subtract integers and decimals.

Know how to understand the correct order of operation when completing a calculation.

Know how to add and subtract in standard form.

Know how to use multiplication methods to solve problems.

Know how to use division methods to solve problems.

Know how to use my multiplication knowledge to explore prime, square, triangular and cube numbers.

Know how to use my division knowledge to explore roots, factorisation and laws of indices.

Know how to calculate upper and lower bounds of a number.

Know how to record terms of a sequence and identify its rule.

GCSE: Calculations:

Know how to understand the properties of different numbers.

Know how to continue, extend and describe sequences.

Know how to test and prove a conjecture.

Know how to understand laws of indices.

Know how to understand laws of indices.

Know how to understand powers of 10.

Know how to represent amounts in standard form.

Know how to calculate in standard form.

Know how to calculate in standard form.

Know how to understand negative indices

Know how to understand fraction indices.

Know how to investigate powers within powers.

Know how to make simple circuits.

Know how to use equipment to measure current and voltage accurately.

Angelou:

FS Level 1 / GCSE:

Biology:

Know how some cells are specialised and adapted for their function

Know the functions of sensory neurones, relay neurones in the spinal cord and motor neurones.

Know the function of the myelin sheath

Know what a reflex arc is.

Chemistry:

Know that ionic bonds are formed between a metal and non-metal atoms

Know that covalent bonds are usually formed between non-metals atoms

Know that metals form giant structures in which electrons in the outer shells of the metal atoms are free to move.

Physics: Know about the different types of radiation and how they affect atoms.

Know about the background radiation that is all around us.

Know about the dangers of radiation and how we can protect ourselves.

Knowledge Map - Term 2

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| ICT | Humanities | PSHE | RSE |
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| <p>Austen: Entry Level 2: Improving productivity using IT: Know how to plan the use of IT to meet requirements. Know how to identify the advantages of using IT for the task. Know how to complete the task using appropriate IT. systems and software Know how to identify any safety and security issues affecting the use of IT for the task. Know how to use IT systems to complete planned tasks. Know how to use an IT system to complete planned tasks following identified safe practices. Know how to check that the outcome meets requirements. Know how to identify ways to improve the use of IT for the task.</p> <p>Kinney: Entry Level 2: Improving productivity using IT: Know how to plan the use of IT to meet requirements. Know how to use IT systems to complete planned tasks.</p> <p>Entry Level 3: Improving productivity using IT:</p> | <p>Austen: Entry Level 2: A British Society in the past: Know features and characteristics of a popular British Society in the past. Know how to identify features and characteristics connected with a particular British society in the past. Know how to identify people from a particular British society in the past. Know features and characteristics of a popular British Society in the past Know how to identify features and characteristics connected with a particular British society in the past. Know how to identify people from a particular British society in the past. Know how to use historical sources to find out about a particular British society in the past. Know similarities and differences between aspects of a particular British society in the past and their own life Know how to show how people's lives in a particular British society in the past were similar to life today. Know how people's lives in a particular British society in the past were different from life today. Know how to identify different types of historical sources from a particular British society in the past.</p> | <p>Austen: Career Planning: Know own strengths, qualities, skills and abilities. Know potential areas to improve which will help with career planning. Know where to find sources of information, advice and guidance for career planning. Know how to plan for transition to the next stage of education</p> <p>Kinney: Career Planning: Know my strengths, qualities, skills and qualities. Know my potential areas of improvement. Know different sources of information, advice and guidance for career planning. Know what my next steps may consist of when transitioning to the next stage.</p> <p>Angelou:</p> | <p>Austen: My Body: Know what is meant by gender identity. Know what puberty is and when this happens to a person? Know what is meant by hormones and how they affect you. Know what is meant by body image. Know what is meant by menstrual cycle and menopause.</p> <p>Kinney: My Body: Know what gender identity is. Know what puberty is and how puberty can occur at different ages depending on the individual. Know the importance of puberty and the impact it has on the body and emotions. Know about hormones and how they are involved in puberty, regulating the menstrual cycle, contraception and fertility treatments. Know what the menstrual cycle and the menopause is. Know the impact the menstrual cycle and the menopause have on the human body. Know what body image is. Know what a healthy and unhealthy body image is. Know what factors can impact an individual's body image.</p> |



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| <p>Know how to plan the use of IT to meet requirements. Know how to use IT systems and software to complete planned tasks. Know how to review the selection and use of IT systems and software tasks.</p> <p>Angelou: Entry Level 3: Improving productivity using IT: Know how to plan the use of IT to meet requirements. Know how to use IT systems and software to complete planned tasks. Know how to review the selection and use of IT systems and software tasks.</p> | <p>Know how to select information from historical sources about a particular British society in the past.</p> <p>Kinney: Entry Level 2: A British Society in the Past. Britain and the Second World War: Know the features and characteristics of a particular British Society in the Past. Know similarities and differences between aspects of a particular British Society in the past and their own lives. Know how to use historical sources to find out about a particular British Society in the past.</p> <p>Entry Level 3: A British Society in the Past. Britain and the Second World War: Know the features and characteristics of a particular British Society in the Past. Know similarities and differences between aspects of a particular British Society in the past and their own lives. Know how to use historical sources to find out about a particular British Society in the past.</p> <p>Angelou: Entry Level 3: A British Society in the Past - The 60s: Know the features and characteristics of a particular British Society in the Past. Know similarities and differences between aspects of a particular British Society in the past and their own lives. Know how to</p> | | <p>Angelou: My Body: Know what terms such as: heterosexual, homosexual, pansexual, transgender and cisgender mean. Know what changes occur to the body during puberty. Know what a healthy/unhealthy body image and what can influence this. Know the process of menstruation and which hormones play a role in it.</p> |
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| | use historical sources to find out about a particular British Society in the past. | | |
| <p style="text-align: center;">Employment</p> <p>ASDAN Entry 2 & Entry 3: Finding out about jobs and careers / Jobs and careers research: Know how to research and categorise different career options. Know how to research a career in detail.</p> | <p style="text-align: center;">Hospitality</p> <p>ASDAN Entry 2: Hygiene in the kitchen: Know how to wash hands before undertaking a food preparation activity. Know how to clean a food preparation area before and after food is prepared. Know how to explain the importance of washing hands before preparing food. Know how to identify the correct storage for different foods. Know and demonstrate how to correctly store items in a fridge.</p> | <p style="text-align: center;">Art</p> <p>ASDAN Entry 2: Exploring art: Know different art styles and techniques. Know how to create a piece of work using a variety of materials. Know what went well with a piece of work and what went less well.</p> | <p style="text-align: center;">Media</p> <p>ASDAN Entry 2 & Entry 3: Research an influential person: Know an influential person and state who the person is, what they did in their lifetime and their legacy. Know the key achievements of an influential person. Know how to create a suitable presentation of their findings. Know how to group information into appropriate categories.</p> |