



# Knowledge Map - Term 3

## Upper School

English/ Drama	Maths	Science
<p><b>Austen:</b> Entry Level 1: Speaking, Listening and communicating: Know how follow single-step instructions. Know how to make requests and ask straightforward questions using appropriate terms and registers. Know how to respond to questions about specific information. Know how to make clear statements about basic information and communicate feelings and opinions on straightforward topics.</p> <p>Entry Level 2: Speaking, Listening and communicating: Know how to effectively communicate the main points of a discussion. Know appropriate ways to contribute to group discussions. Know how to clearly express feeling and opinions on a range of straightforward topics.</p> <p>Entry level 3: Speaking, Listening and Communicating: Know how to effectively communicate requests and ask concise questions. Know what relevant information should be extracted from explanation texts. Know appropriate ways to contribute in a respectful manner and respond appropriately to other points of views.</p> <p><b>Kinney:</b> Entry Level 2: Speaking, Listening and communicating: Know how to effectively communicate the main points of a discussion. Know appropriate ways to contribute to group discussions. Know how to clearly express feeling and opinions on a range of straightforward topics.</p>	<p><b>Austen:</b> Entry Level 1 / 2: Shape: Know that 3D nets are made up of 2D shapes. Know that 2D shapes and 3D shapes are different. Know what a polygon is. Know what a vertex is. Know what symmetry is. Know how shapes move. Know what different types of angles are. Know how to create patterns with shapes.</p> <p><b>Kinney:</b> Entry level 3: Shape: Know the properties of 2D and 3D shapes. Know how to use a mirror line to create symmetrical patterns. Know some of the rules used for 2D shapes. Know how to plot coordinates in four quadrants.</p> <p><b>Angelou:</b> Entry level 3: Shape: Know the properties of 2D and 3D shapes. Know how to use a mirror line to create symmetrical patterns. Know some of the rules used for 2D shapes. Know how to plot coordinates in four quadrants.</p> <p><b>FS Level 1: Shape:</b> Know and understand translation. Know and understand how to combine transformations. Know how to use a protractor. Know how to use a compass. Know how to construct a perpendicular bisector. Know how to construct an angle bisector. Know and understand loci.</p>	<p><b>Austen:</b> 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. Know how to make simple circuits. Know how to use equipment to measure current and voltage accurately.</p> <p><b>Kinney:</b> 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.</p>

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<p>Entry level 3: Speaking, Listening and Communicating:          Know how to effectively communicate requests and ask concise questions.          Know what relevant information should be extracted from explanation texts.          Know appropriate ways to contribute in a respectful manner and respond appropriately to other points of views.</p> <p>Angelou:</p> <p>GCSE: Spoken language:          Know how to read texts carefully and to draw meanings and emotions from them.          Know how to discuss a topic with peers.</p> <p style="text-align: center;"><b>Drama</b></p> <p>ASDAN Entry Level 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.</p>	<p>Know and understand about constructing perpendiculars.          Know and calculate values of missing angles.          Know angles in parallel lines.          Know and understand interior &amp; exterior angles.          Know angles in triangles.          Know angles in quadrilaterals.          Know and understand how to use co-ordinates and algebra.          Know and interpret plans and elevations of solids.          Know how to construct plans and elevations of solids.          Know and understand reflection.          Know and understand rotation.          Know and understand translation.          Know and understand vector translations.          Know how to combine transformations.          Know and understand congruent triangles.          Know and understand how to apply congruency theory.          Know and understand vector arithmetic.          Know how to multiply a scalar.          Know and understand enlargement &amp; scale factors.</p> <p>GCSE: Shape:          Know plans and elevations.          Know and understand perimeter &amp; area.          Know and understand circumference &amp; area of a circle.          Know and understand surface area of cuboids and prisms.          Know and understand cylinders.          Know and understand cones, pyramids, spheres.          Know how to calculate angles from rules          Know and understand interior &amp; exterior angles.          Know how to calculate missing angles.          Know and understand loci problems.          Know how to construct a perpendicular bisector.          Know how to construct a perpendicular from a point.          Know and understand angle bisector.</p>	<p>Know how to construct a simple food chain, identifying predator and prey.          Know how to identify organisms in a particular habitat.</p> <p>Angelou:          FS Level 1 / GCSE:          Biology:          Know about mitosis and its importance in growth, repair and asexual reproduction.          Know the process of meiosis happens in the male and female reproductive organs.          Know the difference between embryonic and adult stem cells.          Chemistry:          Know properties and reactions of elements in groups 1,7 and 0.          Physics:          Know how to calculate speed and acceleration.</p>
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Know what is meant by congruence.  
 Know and understand rotation.  
 Know and understand translation by a vector.  
 Know how to calculate the hypotenuse.  
 Know how to calculate missing sides.

### ICT

**Austen:**  
 Entry Level 2: Desktop Publishing Software:  
 Know how to use appropriate page designs and layouts for a publication.  
 Know how to input text and other information into a publication.  
 Know how to edit and format a publication.

**Kinney:**  
 Entry Level 2: Desktop Publishing Software:  
 Know how to use appropriate page designs and layouts for a publication.  
 Know how to input text and other information into a publication.  
 Know how to edit and format a publication.

**Angelou:**  
 Entry Level 3: Desktop Publishing:  
 Know how to publish work.  
 Know how to manipulate images using software.

### Humanities

**Austen:**  
 Entry Level 2: Climate Change:  
 Know about the causes of climate change.  
 Know about the effects of climate change.  
 Know what individuals and governments can do to reduce the risk of climate change.

**Entry Level 3:**  
 Know about the causes of climate change.  
 Know and outline the evidence for climate change.  
 Know and give natural causes of climate change.  
 Know and outline ways in which human activity influences climate change and global warming.  
 Know and outline the major consequences of climate changes.  
 Know and give positive and negative effects of climate change in the UK.  
 Know and outline renewable energy sources that could be used to meet future energy needs in the UK.

### PSHE

**Austen: Personal Finances:**  
 Know ways in which to borrow money.  
 Know what it means to borrow money.  
 Know different financial products.  
 Know how to protect themselves from fraud.

**Kinney: Personal Finances:**  
 Know ways in which to borrow money.  
 Know what it means to borrow money.  
 Know different financial products.  
 Know how to protect themselves from fraud.

**Angelou: Personal finances:**  
 Know what personal finances are.  
 Know how to budget and save money.  
 Know how to set financial goals.

### RSE

**Austen: Relationships:**  
 Know what self-respect is.  
 Know how to keep safe in different situations.  
 Know what homophobia is.  
 Know what effect homophobia can have on people and know what they can do if they or a friend experience it.  
 Know what can cause conflict in young people's relationships with friends, family and peers and how can we deal with it.  
 Know key information about parenting.  
 Know when may be the right time for an individual to become a parent.  
 Know what responsibilities parents have and what skills they need.  
 Know the potential challenges of being parents either as a couple or as a single parent and what help is available.  
 Know how to manage with the concern of not being able to socialise with family and friends.



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Know and outline what individuals can do to reduce the risk of climate change.  
Know and outline what the UK government can do to reduce the risk of climate change.

Kinney:

Entry Level 2: Climate Change:

Know about the causes of climate change.  
Know about the effects of climate change.  
Know what individuals and governments can do to reduce the risk of climate change.

Angelou:

Entry Level 3: Climate Change:

Know what climate change is and the effects it has on the environment.  
Know how natural formations are formed and affected by climate change.

Know how to manage any concerns based on friendships including transitions to new education settings.

Kinney: Relationships:

Know what self-respect is.  
Know how to keep safe in different situations.

Know what homophobia is.  
Know what effect homophobia can have on people and know what they can do if they or a friend experience it.

Know what can cause conflict in young people's relationships with friends, family and peers and how can we deal with it.

Know key information about parenting.  
Know when may be the right time for an individual to become a parent.

Know what responsibilities parents have and what skills they need.

Know the potential challenges of being parents either as a couple or as a single parent and what help is available.

Know how to manage with the concern of not being able to socialise with family and friends.

Know how to manage any concerns based on friendships including transitions to new education settings.

Angelou: Relationships:

Know what areas may cause conflict in a relationship.

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			<p>Know how to be an ally and promote inclusivity.</p> <p>Know how to be respectful to ourselves.</p>
<p style="text-align: center;"><b>Employment</b></p> <p>ASDAN Entry Level 2 &amp; Entry Level 3: Planning and running a mini enterprise project / Completing an enterprise project: Know what a logo is. Know what makes a brand attractive. Know how to research a customer base. Know how to create a product that people will want to buy.</p>	<p style="text-align: center;"><b>Hospitality</b></p> <p>ASDAN Entry Level 2: Hygiene in the kitchen: Know how to prepare a kitchen to be hygienically clean. Know how to clean a kitchen after use. Know how to present themselves in a kitchen. Know how to use different equipment in a kitchen. Know how to prepare basic foods. Know how to make a range of hot drinks. Know how to prepare a snack. Know how to prepare a cold lunch.</p>	<p style="text-align: center;"><b>Art</b></p> <p>ASDAN Entry Level 1 &amp; Entry Level 3: Experiencing creating and exploring portraits / Self-portraits: Know different self-portrait styles. Know different portrait artists. Know the different tools and materials needed to make a self-portrait. Know how to create a self-portrait.</p>	<p style="text-align: center;"><b>Media</b></p> <p>ASDAN Entry Level 3: Stop Motion Animation: Know examples of animation through time. Know that animation is a sequence of drawings or photographs. Know how to plan for an animation. Know how to carry out a simple stop motion animation.</p>