

# Year 3 Autumn 1

## Science Crucial Knowledge

### Rocks

- There are 3 different types of naturally occurring rocks – igneous, sedimentary, metamorphic.
- Igneous – rock that has been formed from magma or lava.
- Sedimentary – rock that has been formed by layers of sediment pressing down on top of each other.
- Metamorphic – rock that starts as igneous or sedimentary but changes as a result of extreme heat or pressure.
- A fossil is the preserved remains or traces of a dead organism.

## Geography Crucial Knowledge

### Around the World in half a term Name and locate the Counties & Cities in UK

- We live in the county of Staffordshire.
- The three other counties that border Staffordshire are Cheshire, Shropshire and Derbyshire.
- The capital city of England is London.
- The capital city of Wales is Cardiff.
- The capital city of Scotland is Edinburgh.
- The capital city of Northern Ireland is Belfast.

## Art & Design Crucial Knowledge

### Drawing

- Third dimension means making an object look solid by using drawing techniques.
- Perspective is to make a drawing appear 3D on a 2D plain. E.g. A road appearing to curve in the distance or an apple sitting on a table.

## Computing Crucial Knowledge

### Connecting computers

- Information Technology helps us to do a job, communicate or for entertainment.
- Input: Data provided to a computer system, such as via a keyboard, mouse, microphone, camera or physical sensors.
- A process is when a computer follows a set of instructions using the data that has been input.
- Outputs The information produced by a computer system for its user; items on a screen, speakers, lights.

**Vocabulary:** digital device, input, process, output, program, digital, non-digital, connection, network, switch, server, wireless access point, cables, sockets

## Music Crucial Knowledge

### The Nutcracker

#### Musical Learning

Develop active listening skills by responding to musical themes through movement.  
Understand the structure of rondo form (A-B-A-C-A).  
Develop a sense of beat and rhythmic pattern through movement.  
Experience call-and-response patterns through moving with a partner.

#### Key Musical Vocabulary

Duration: beat.  
Pitch: higher, lower.  
Structure: rondo form (e.g. A-B-A-C-A-D-A etc.), call-and-response, question-and-answer, phrase.  
Timbre: *staccato* (short, detached notes to create a 'spiky' sound/articulation).  
Other: orchestral suite, ballet.

## Physical Education Crucial Knowledge

### Gymnastics

- Flexibility is the range of movement through body joints.
- Movement is when changing position, posture or place.
- A pattern is when a movement or action is repeated.
- Communicating with others giving and receiving information.
- Technique is a way of carrying out a particular task.
- Collaboration is working with others to achieve/create something.
- Evaluate is to judge something.
- Co-ordination is the ability to move two or more body parts under control, smoothly and efficiently.
- Jump is to lift off the ground from one foot onto two feet. During the flight of the jump, you should bend your legs slightly and land on two feet, with bent legs and without losing their balance.
- Agility is how quickly you can change direction whilst maintaining speed, balance and power

### Invasion - Football

- Kicking is when you hit an object (ball) with your foot
- Attack is to try to move past and score against the opposing team.
- Defend is to block the other team and stop them from scoring.
- Agility is how quickly you can change direction whilst maintaining speed, balance and power.
- Co-operation is when you work together with others to achieve a result

	<ul style="list-style-type: none"> <li>• Collaboration is working with others to achieve/create something</li> <li>• Communicating with others giving and receiving information.</li> <li>• Competing means to do your best against others.</li> </ul>
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**Personal, Social Health & Economic Education Crucial Knowledge**

<p><b>How can we be a good friend?</b></p>	<ul style="list-style-type: none"> <li>+ Having a friendship supports your wellbeing and gives you support if you are feeling lonely or excluded.</li> <li>+ If someone is feeling excluded or lonely, they may become quiet or withdraw from usual activities.</li> <li>+ Sometimes friends can be unkind or make you feel sad or uncomfortable – this is not ok.</li> <li>+ <b>Being a good friend online is the same as being a good friend in person.</b></li> <li>+ <b>Online actions have in person consequences.</b></li> </ul>
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**Religious Education Crucial Knowledge**

<p><b>Exploring living by rules</b></p>	<ul style="list-style-type: none"> <li>• There are rules that are written for different religious faiths.</li> <li>• Rules can be found in sacred writings.</li> <li>• Sacred writings are religious texts or writings.</li> <li>• Believers of a faith will aim to follow these rules within their lives.</li> <li>• Christians follow a set of rules called: The Ten Commandments.</li> <li>• The Ten Commandments are written in The Bible.</li> </ul>
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**Spanish Crucial Knowledge**

English	Spanish	English	Spanish
Hello!	¡Hola!	great	fenomenal
Good morning!	¡Buenos días!	happy	contento (m) contenta (f)
Good afternoon!	¡Buenas tardes!	ill	enfermo (m) enferma (f)
Goodbye!	¡Adiós!	bad	mal
Goodnight!	¡Buenas noches!	sad	triste
How are you?	¿Qué tal?    ¿Cómo estás?	What is your name?	¿Cómo te llamas?
<b>I am...</b>	Estoy...	<b>My name is...</b>	Me llamo ...
good	bien	Numbers 1-10	un, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez