

# Year 6 Summer 1

## Science Crucial Knowledge

### Evolution and Inheritance

- When living things reproduce, they pass on characteristics to their offspring. This is known as inheritance.
- Offspring are not identical to their parents – these are known as variations (changes and differences) of the same species.
- Living things have changed and adapted over many years.
- Adaptation is when a characteristic changes to increase a living thing's chances of surviving in their environment.
- Natural selection is where animals have adapted over time in order to survive and reproduce - Giraffes now have long necks so that they can reach food on the taller trees.
- Evolution is the gradual change of things over time as they adapt and grow.

## Geography Crucial Knowledge

### This is Our Earth Climate zones, biomes & Vegetation Belts

- A climate is the average weather condition of a place over a long period of time.
- Climate zones are sections of the earth that are divided according to their climate.
- There are six different climate zones: polar (extremely cold), temperate (mild summers and mild winters), arid (extremely dry), tropical (hot and humid), Mediterranean (hot summers and cold winters) and mountainous (the weather gets colder, the higher up the mountain).
- A biome is a natural area with a similar climate and similar types of plants and animals that have adapted to suit a particular environment.
- The world is divided into lots of different biomes and they are all different depending on their climate.

## Art & Design Crucial Knowledge

### Sculpture

- Clay can be manipulated by pinching, carving, impressing and coiling.
- Clay is hardened by removing the moisture – air drying or kiln
- Glaze is the paint that is used on clay.

## Computing Crucial Knowledge

### Creating Media - 3D Modelling

- Information Technology can help us to design, create programs, collect information, analyse **data** and **present information**.
- **Hardware** is the physical components of a computer.
- **Software** is the programme or operating system that a computer uses.
- Different Software on digital devices helps people and industries to do different things.
- You can use software on digital devices to design and create
- 3D models can be created on a computer, they can be used to design buildings, furniture and even pen pots.

**Vocabulary:** TinkerCAD, 2D, 3D, shapes, select, move, perspective, view, handles, resize, lift, lower, recolour, rotate, duplicate, group, cylinder, cube, cuboid, sphere, cone, prism, pyramid, placeholder, hollow, choose, combine, construct, evaluate, modify.

## Physical Education Crucial Knowledge

### Athletics

- Run is to move quickly using your feet.
- 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.
- If you run and then jump the distance you jump will be longer
- Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist.
- Catching is the use the hands to stop and hold a moving object.
- Strength is a measure of power.
- Technique is a way of carrying out a particular task.
- Movement is when changing position, posture or place.

Religious Education Crucial Knowledge			
The Importance of Hope		<ul style="list-style-type: none"><li>• Hope is wanting something to happen or to be true. It is a desire for things to change for the better.</li><li>• Hanukkah is a Jewish festival that celebrates the victory of good over evil.</li><li>• The leader of a Jewish synagogue is called a Rabbi.</li><li>• Rabbi Hugo Gryn was imprisoned in Auschwitz (a concentration camp) with his family in 1944.</li></ul>	
Personal, Social Health & Economic Education Crucial Knowledge			
What will change as we become more independent?  How do friendships change as we grow?		<ul style="list-style-type: none"><li>• As you grow up you may find new friends and lose some friends as you mature. This may make you feel sad but understanding that it is part of life is important.</li><li>• Going to secondary school will promote independence for example: having to organise yourself, follow time tables and time management.</li><li>• It is ok to be attracted to someone <u>as</u> we grow up; we discover different feelings for different people.</li><li>• Some people may choose to not marry.</li><li>• Marriage should be with consent and not forced.</li></ul>	
Spanish			
Unit 3			
English	Spanish	English	Spanish
What are you like?	¿Cómo eres?	I have .... hair.	Tengo el pelo...
I am..	Soy...	brown	castaño
tall	alto (m) alta (f)	dark brown	moreno
short	bajo (m) baja (f)	black	negro
strong	fuerte	blonde	rubio
kind	amable	red	pelirrojo
chatty	hablador (m) habladora (f)	I have... eyes.	Tengo los ojos...
funny	divertido (m) divertida (f)	blue	azules
shy	tímido (m) tímido (f)	brown	marrónes
Days of the Week	lunes, martes, miércoles, jueves, viernes, sábado, domingo.	black	negros
Numbers 1-10	uno, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez,		
Numbers 11-20	once, doce, trece, catorce, quince, dieciséis, diecisiete, dieciocho, diecinueve, veinte		