Year 6

Term 6 Newsletter

Welcome to the final term of Year 6!

From all of us on the Year 6 team, welcome back for the final term of the academic year; we can't believe how quickly the time has gone! Term 6 promises to be exciting, and very busy, with lots of opportunities for the children to continue building upon their learning and making memories with their friends before they embark on their next adventure in secondary school!

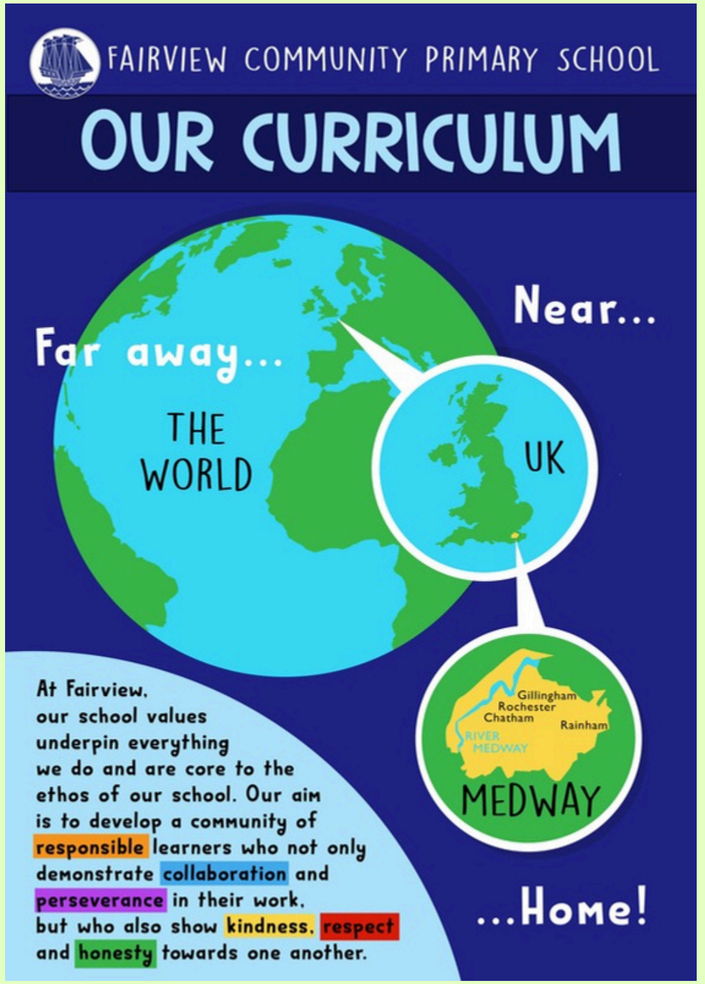
What will we be learning this term?

Term 6 will focus on consolidating the children's learning from across KS2 and we will be continuing with our exploration of biomes as our main focus in Geography. We also have several exciting events taking place alongside our preparation for secondary transition.

Term 6 Curriculum Overview

Geography

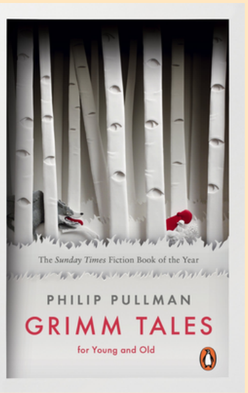
In Geography this term, we will be continuing our exploration of desert biomes. We will then begin to learn about other biomes around the world, focusing on the plants and animals that can be found there. We will discuss the impact human activity has on these environments before bringing together everything we have learnt in a project entitled “Anywhere Island”.



Term 6 Curriculum Overview

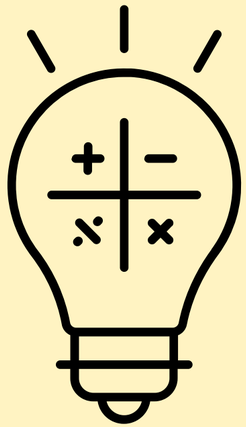
English

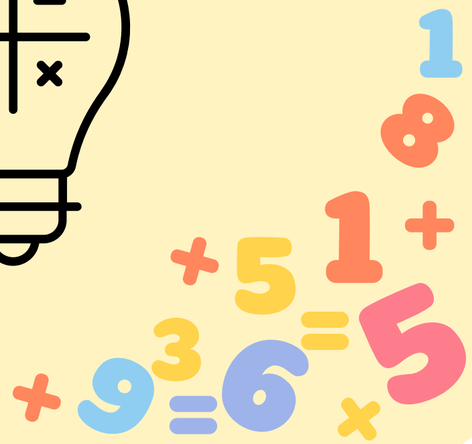
In English this term, we will be continuing with our work on Paradise Sands by Levi Pinfold. We will be writing in role to explore the character's viewpoints on events in the story. In the second half of the term, we will explore Grimm Tales for Young and Old by Philip Pullman. Using this text as inspriation, the children will write their own twisted fairytale, bringing together all of their skills and learning from across the year.



Maths

Maths this term will focus on consolidation of everything the children have learnt during their time in Key Stage 2. We will be taking part in problem-solving activities and applying our mathematical thinking to real-world scearios and problems.





Science

Our learning in Science this term will be focused on electricity. The children will be building upon their previous learning to create electrical circuits for different purposes. We will be learning the scientific symbols for the different components within a circuit and how to draw accurate circuit diagrams.

The children will apply their learning to review broken circuits/diagrams and work out what is needed to fix them.

Electrical safety will be a focus for us during this unit.

Term 6 Curriculum Overview

Reading

In Reading this term, we will be sharing the novel Wonder by R.J. Palacio with the children. The book is an inspiring coming-of-age story about August "Auggie" Pullman, a 10-year-old boy born with a rare facial deformity. Having been homeschooled all his life, Auggie enters the fifth grade at a mainstream middle school, where he must navigate making friends, overcoming bullying, and proving that he was "born to stand out".

To support our exploration of the novel, we will be watching the film adaptation of Wonder in class with the children towards the end of the term. The film is rated PG - please let us know if you do not wish for your child to watch the film.

Computing

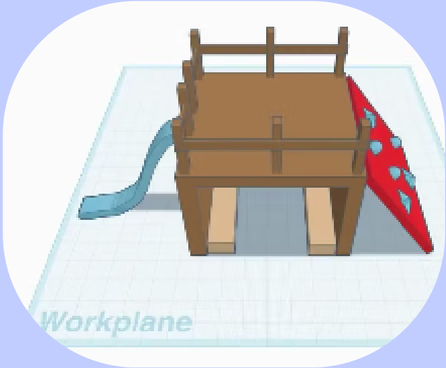
In Computing this term, we will be exploring 3D modelling using Purple Mash. Throughout the unit, we will be learning:

- To explore and develop simple 3D models using CAD software.
- To explore the effect of moving points when designing.
- To plan, design and begin creating packaging to meet a design brief.
- To refine, assemble and evaluate the finished packaging prototype.

Design Technology

In DT this term, we will be taking part in a project called “Playground Pioneers”. The children will be investigating how playground structures are designed and reinforced.

Throughout the project, the children will be designing a structure suitable for a playground using a computer-based design program. They will then build and evaluate a protype of their design!



Term 6 Curriculum Overview

PSHE

One of our main focuses this term is the children's transition to secondary school. We will be discussing our hopes and worries about this next step in class and will be helping to prepare the children for their transition.

Also this term, as part of our SRE. we will be exploring conception with the children. As part of this topic, we will be learning to:

- explian the terms 'conception' and 'reproduction'
- describe the function of the male and female reproductive systems
- identify the various ways adults can have a child
- explain the different stages of pregnancy

Further information regarding this topic can be found on the knowledge organiser located at the end of the newsletter.

PE

In PE this term, we will be focusing on athletics and the build up to Sports Day on 19th June.

We will be developing our collaboration skills by playing team games and will also be continuing with our focus on cricket and rounders.

PE Timetable:

Crocodiles - Mon & Wed

Elephants - Mon & Wed

Zebras - Mon & Tue

Home Learning

This term, we will not be setting weekly Maths and Spelling home learning.

Instead, we ask that the children focus on learning their lines and song words for the Year 6 production.

Reading home learning continues as normal. Please encourage your child to complete their minimum of 4 reads per week and to record this in their reading record book.

Dates for diaries:

Tuesday 16th June - Year 6 Production performance 5pm

Thursday 18th June - Year 6 Production performance 5pm

Friday 19th June - Sports Day

Saturday 20th June - Summer Fair

Monday 22nd June - Friday 26th June - Year 6 Residential Week

Monday 13th July - Year 6 Production performance 2pm

Friday 17th July - Year 6 Leavers Disco 5:00-7:00

Monday 20th July - Year 6 Leavers Service at St. Matthew's Church 2:00pm

Tuesday 21st July - End of term

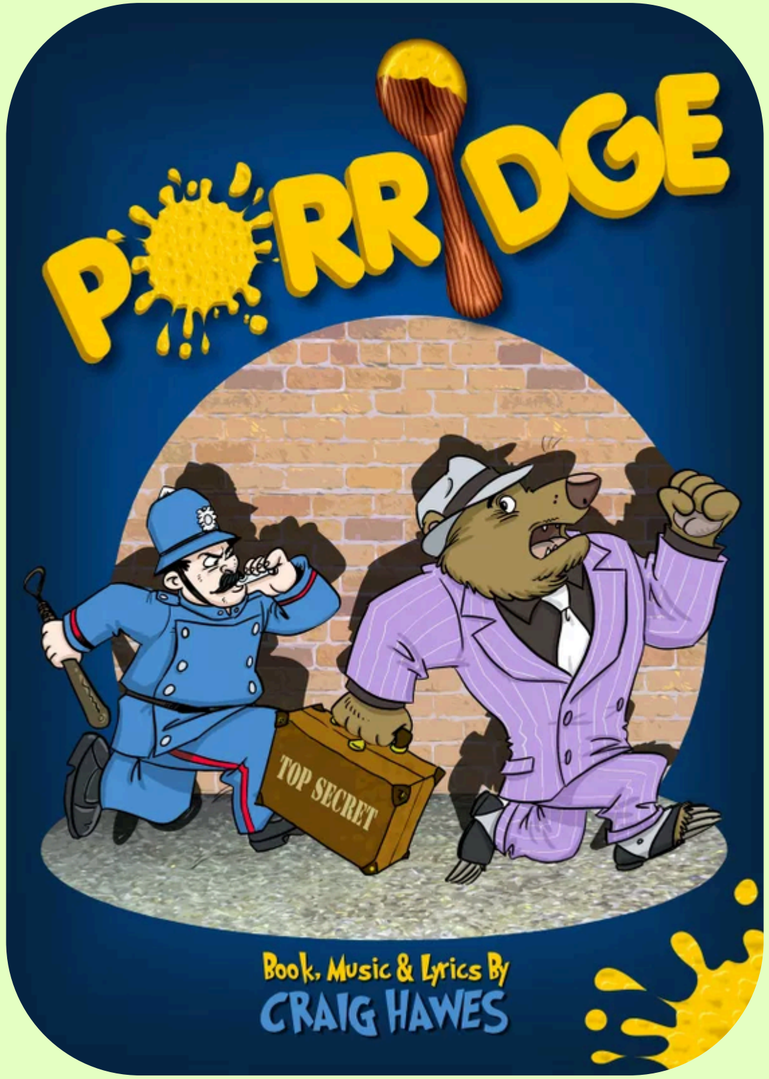
Year 6 Production

When a crime wave hits Happy Valley, there's a caseload of mysteries to be solved! Who's stolen Ma Hubbard's recipe book? Who's kidnapped Marigold the cow? And what dirty secret is Papa Bear hiding behind his Porridge empire? It's down to Private Detective Jack Spratt to uncover the terrifying truth in this tale of mystery, mayhem and breakfast cereal!

We look forward to welcoming you to see the Year 6 Production on the following dates:

- Tuesday 16th June at 5pm
- Thursday 18th June at 5pm
- Monday 13th July at 2pm

As always, due to hall capacity we will only be able to offer 2 seats, per production, per child.



Knowledge Organisers

On the following pages, you will find further information about what your child will be learning in the foundation subjects.

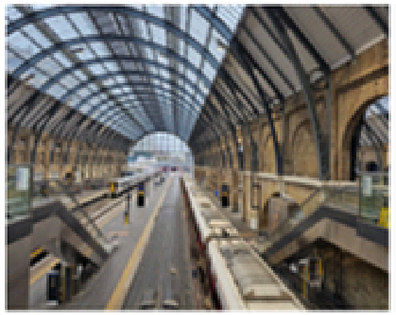
D&T - Playground pioneers

aesthetic	How something looks.
alternative	A different option that can be chosen.
constraint	A limit or condition when making a product.
function	What something is used for.

Structures are formed or made from parts for a purpose.
Types of structures:

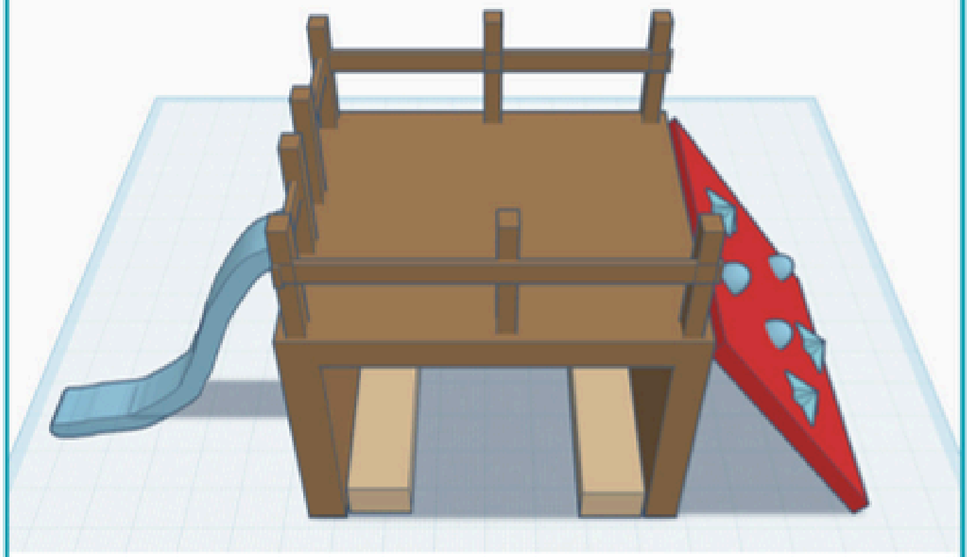
frame

shell



combined

solid



Computer-Aided Design (CAD) can help designers develop their ideas and explore what their designs would look like in 3D.

Equipment for cutting and preparing wood

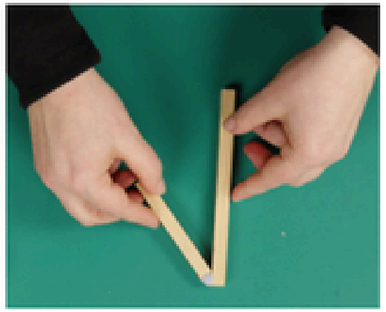
A **hacksaw** is a type of saw with a narrow blade.

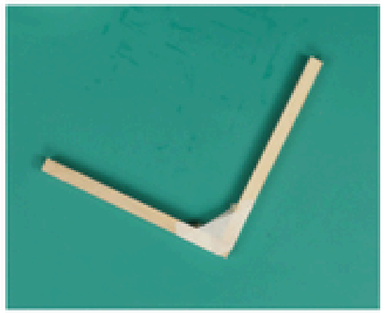
Sandpaper has a rough side to smooth edges of wood.

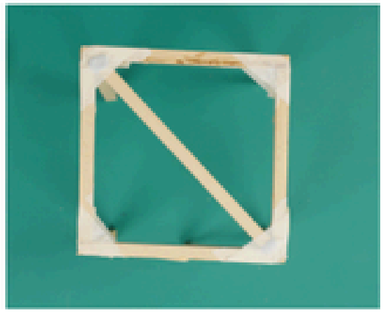
A **bench hook** is used to hold wood still and straight for sawing.

D&T – Playground pioneers

Methods of joining and reinforcing







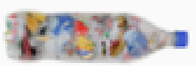
Sustainable materials

Sustainably sourced wood is a good building material because it comes from trees.

Bamboo is sustainable because it grows very quickly.

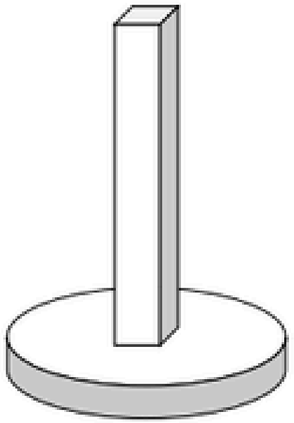
Innovative materials

Mycelium bricks are made from the root-like structure of fungi. They are light and fire-resistant.

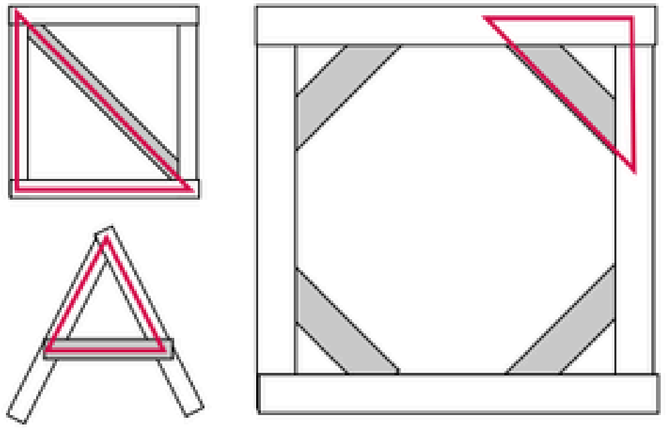


Eco-bricks are made from plastic bottles and wrappers. They can be used to make small structures.

Reinforcing structures makes them stronger or more stable.



A wide, heavy base is more stable.



Triangulation uses bracing to form triangles, which are the strongest shape.

Relationships

TOPICS: Conception and Summative Assessment - *Suggested for Year 6*

We have chosen to deliver this topic in year(s):

_____

Year Intent

In Year 6, children consolidate and extend their understanding of respectful and healthy relationships as they prepare for greater independence. They explore how relationships may change as people grow and recognise behaviours that support positive interactions.

Pupils evaluate situations that may affect relationships and develop strategies to respond responsibly and seek support when needed. Where schools choose to deliver sex education, pupils will also learn about human reproduction and how conception occurs.

Curriculum Links

Statutory RSHE Links

Developing bodies; Non-statutory Sex Education; Caring friendships; Respectful, kind relationships

Ask me a question!

Can you name at least three parts of the male reproductive system?

Can you name at least three parts of the female reproductive system?

What is the legal age of consent to have sex?

Can you talk about the different stages of pregnancy?

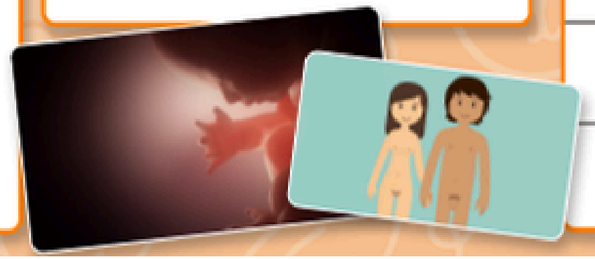
Knowledge & Skills Progression

Conception - *Pupils should...*

- explain the terms 'conception' and 'reproduction'
- describe the function of the female and male reproductive systems
- identify the various ways adults can have a child
- explore various different stages of pregnancy
- understand the laws around consent

What I've Learnt - *Pupils can...*

- confidently demonstrate and justify behaviours that support positive, respectful and healthy relationships
- evaluate situations and respond responsibly when relationships or interactions may cause upset, discomfort or harm
- clearly explain and justify the difference between healthy and unhealthy relationship behaviours
- take increasing responsibility for maintaining respectful relationships and supporting the wellbeing of themselves and others



I will learn the following new words/phrases:

I now know...

Conception	The process of conceiving a baby.
Reproduction	The process by which living things create young or offspring.
Consent	To express willingness or approval.
Conceived	The fertilising of an egg by a sperm; beginning of pregnancy.
Caesarean	The surgical delivery of a baby that involves making incisions in the mother's abdominal wall and uterus.
Foreskin	A retractable fold of skin that covers the glans of the penis.
Cervix	The lower part of the uterus that opens into the vagina.
Womb (uterus)	Where a foetus, or baby, grows.
Urethra	The tube that carries urine from the bladder out of the body.
Fertilised	When a male's sperm enters a female's egg.
IVF	Fertilising an egg outside the body, in a laboratory dish, and then implanting it in a woman's uterus.

Year 6
3D Modelling

Key Learning

- To explore and develop simple 3D models using CAD software.
- To explore the effect of moving points when designing.
- To plan, design and begin creating packaging to meet a design brief.
- To refine, assemble and evaluate the finished packaging prototype.

Key Resources

2Design and Make

Key Vocabulary

3D Printing
The process of making a physical object from a three-dimensional digital model, typically by laying down many thin layers of a material in succession.

Computer Aided Design (CAD)
Using computer software to help create designs. CAD is used by engineers, architects, and product designers to make accurate models before building them in real life.

Design Brief
A set of instructions or a challenge that explains what needs to be designed.

Model
A digital or physical version of an object that shows what it looks like.

Net
A flat, 2D pattern that folds up to make a 3D shape.

Points
A corner of a 2D or 3D shape that can be moved during CAD.

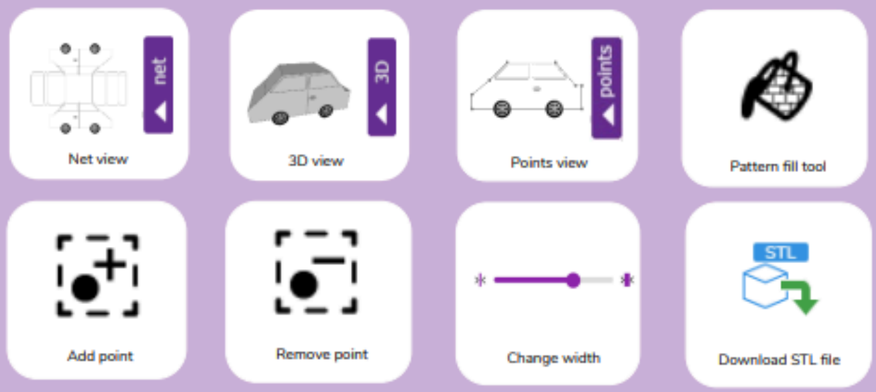
Prototype
A first version of a design that is made to test out ideas.

Three-Dimensional (3D)
A solid shape that has length, width, and depth.

Two-Dimensional (3D)
A flat shape that only has length and width.

Year 6
3D Modelling

Key Images



Key Questions

What is CAD and why is it useful?

CAD (Computer Aided Design) is software that allows designers to create accurate 2D and 3D models. It is useful because it helps test ideas, make quick changes, view designs from different angles and spot any problems before building.

Why is packaging important in product design?

Packaging protects products from damage, dirt, or spills, while also keeping food fresh. It provides information such as ingredients and recycling instructions. It also promotes the product through logos, colours and images to encourage customers to buy it.