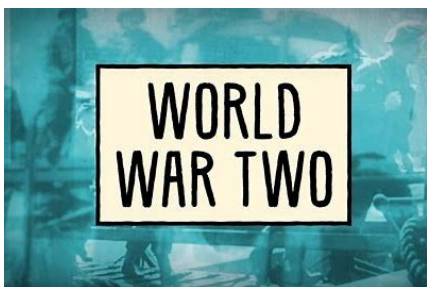




Year 6 Curriculum Booklet

Spring 2.2



Design Technology

What will we be learning about this half term:

Children will develop a design specification to guide the development of the ideas and product. Pupils will understand and use electrical systems in their product-series circuits incorporating switches, bulbs, buzzers and motors.

Create circuits using electronic kits that employ a number of components (such as LED's, resistors, transistors and chips). Pupils will learn about using control and Microbits in their products.

Keywords:

Alarm systems, input, output, function, sensor, electrical system, framework, casing, control, circuit, components, Micro: Bit, motion, sensor, accelerometer, dimension, program, LED, button A, button B, connection pins, pairing, battery socket, Bluetooth, wireless, design specification, electrical system, framework, dimension, program, test, debug, fault, aesthetics, development.

What you could do at home:

Have discussions about how products work—things like doorbells, lights, and larger appliances.

Research Eneni Bambara-Abban a robotics engineer .

Create a fact file

Write a biography

Useful Websites



Computing

What will we be learning about this half term:

Organising data into columns and rows in a spreadsheet, formatting data to support calculations.

Apply formulas to multiple cells by duplicating them.

Keywords

Spreadsheet

Data

Columns

Rows

Cells

Formatting

Formula

What you could do at home:

Use Excel to experiment with organising data into a table.

Explore the different formatting techniques.

Calculate total frequencies in a table by applying simple formulas.

Useful Websites

Oak National Academy—spreadsheets



Microsoft support: basic tasks in Excel



Reading

What will we be learning about this half term:

Commenting on author's choice of language and considering the effects of words and phrases used

Inferring and deducing information from a text.

Applying a range of reading skills to a text.

Keywords

Author's choice of language

Effect on reader

Inference/deduction

Retrieval

Inference

Words in context

Evidence

What you could do at home:

Ensure your child reads for at least thirty minutes everyday and records their responses in their home reading journals.

Useful Websites



The book trust



Love reading for kids (extracts)

Writing

What will we be learning about this half term

- Audience and purpose
 - Emotive language
- Formal and informal language
 - Figurative language
 - Engaging openings

Keywords

Similes

Metaphors

Personification

Dialogue

Show not tell

What you could do at home

Practise spellings, punctuation and grammar—

- Dashes
- Semi-colons
- Colons
- Adverbs

Useful Websites



Creative
writing -
BBC
bitesize

History

What will we be learning about this half term:

Chronology of WW2 and key events throughout this significant event .

What Britain did to succeed in WW2.

How the commonwealth contributed to Britain's success in WW2.

Keywords

Invasion

Declaration

Empire

Commonwealth

Contributions

Evacuation

Refugee

persecution

What you could do at home:

Research who the allies and axis were during the war.

Research which countries came to Britain's aid during the war.

Useful Websites



DK find out about WW2

Mathematics

What will we be learning about this half term:

Illustrate parts of circles including radius, diameter and circumference.

Name parts of circles including radius, diameter and circumference.

Find unknown angles in any triangle.

Recognise angles where they meet at a point and find the value.

Draw simple shapes on the coordinate plane.

Keywords

Circumference

Radius

Diameter

Angles

Degrees

Shapes

Quadrilateral

What you could do at home:

Ensure your child is secure with their multiplication and division facts by allowing them to play on TT Rockstars

Ensure they are completing maths homework weekly.

Useful Websites:

<https://ttrockstars.com/>

[https://
www.topmarks.co.uk/
Search.aspx?
Subject=16&AgeGroup=3](https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=3)



Music

What will we be learning about this half term:

Explore how music can shape cultural identity.

Listen and appraise a range of music.

The background of different female artists.

Continue to create an individual piece of music with lyrics.

Keywords

Cultural identity

Appraising

Composition

Pulse

Tempo

Dynamics

Lyrics

What you could do at home:

Explore different music from across the world—what different instruments are used in different cultures?

Find the pulse for popular songs suitable for your child's age.

Create rhythms using household objects.

Useful Websites



Music from around the world



BBC teach music

Physical Education

What will we be learning about this half term

Pupils will take part in a range of fitness challenges to test, monitor and record their data.

They will learn different components of fitness including speed, stamina, strength, coordination, balance and agility.

Keywords

Stamina

Running

Communication

Confidence

Trust

Planning

What you could do at home

Test yourself how many times can you run or jog the length of your garden or room

How many balances can you do and for how long? Time yourself!

Useful Websites



[https://
www.thepeshed.com/](https://www.thepeshed.com/)



PSHE

What will we be learning about this half term

To identify online activities that contribute to a person's digital footprint.
To identify ways in which a positive digital footprint can be left behind.
To recognise when, why and how photographs we see online may have been edited.
To explain how false photographs can make people feel bad about themselves.
To compare different kinds of online-only friendships and the benefits and risks associated with this.
To explain the risks involved in gambling related activities.
To recognise what might influence somebody to gamble and the impact it might have.

Keywords

Digital footprint

Benefits

Risks

Photo editing

Online friendships

Gambling

Impact

What you could do at home

Discuss ways in which a positive digital footprint can be left behind.

Discuss the benefits and risks of online friendships.

Learn how to spot edited photos and discuss how it makes a person feel.

Useful Websites

Digital footprint: what it includes and how to protect your privacy and settings.



Tips for keeping children safe online



Religious Education

What will we be learning about this half term:

Forgiveness is the restoration of relationship despite hurt caused.

Activities and discussion to explore the relative difficulty of seeking and/or giving forgiveness.

Christianity/Islam/Jainism the importance of forgiveness in each religious tradition.

Christianity – Easter story – forgiveness of thief on the cross (Luke 23)

Keywords

Forgiving

Mercy

Forgetting

Kindness

Merciful

Easter

What you could do at home:

Think about all the ways you have been forgiving; when have you shown kindness even when you did not need to?

Make a list of all the ways you practise being forgiving at home.

Useful Websites



Easter story



What is Jainism?

Science

What will we be learning about this half term:

Identify and name the main parts of the human circulatory system.

Describe the function of the heart.

How exercise affects our heart rate.

Recognise the impact of diet and exercise on our heart.

Keywords

Exercise

Diet

Lifestyle

Respiration

Heart

Circulatory

Valves

Pump

Oxygenated

Deoxygenated

Veins

Arteries

What you could do at home

Measure pulse after doing some exercise.

Discuss healthy foods—look at packaging, what do the colour codes and numbers at the back of foods mean?

Useful Websites



<https://buggyandbuddy.com/light-experiments-for-kids/>