

DT – Fashion and Textiles

Children will start to learn about the work of fashion designers, then discover some ways in which textiles may be joined and decorated.

Following this, they may either practise hand sewing stitches or identify machine stitching patterns on a range of items. Finally, children will apply their learning by creating a Christmas decoration or stocking.



Topic Map Year 6 Term: Autumn 2

Title: Changing Landscapes



Computing

Children will continue their programming work from last half term and build upon it. They will use their knowledge of loops and repeated loops to code more advanced programs eventually leading towards them creating their own game designs.

They will make use of the Code Studio and Scratch applications and draw comparisons between the two.

Music/ History of Music

Recorders - Children will be introduced to the recorder. They will play a variety of short pieces with increasing note range, accuracy and strength of tone, building up to a multi-part Christmas performance.

Children will continue to learn about the defining factors of 20th century music.

Skills

- Pitch, lyrics, harmonising, note range, accuracy, and strength of tone.



Geography: - Changing Landscapes

Children will learn about different landscapes around the world; what makes them different and their relationships to humans. They will discover how landscapes are continuously changing and that humans can be a key part of this process.

They will use a map and photographs to understand why Liverpool has grown as a settlement. As well as this, they will compare Liverpool to smaller settlements including Weaverham and the reasons for their location.

Skills

- To be able to use 4 and 6 figure **grid references** on a map to locate a place.
- To use lines of **latitude** and **longitude** on a **global scale**

R.E.-Vocation and commitment

Through Baptism and Confirmation, all Christians are called to share the mission of Jesus. There are many different ways of carrying out that mission. For some people their mission or vocation is as a priest or member of a religious order.

Advent/Christmas

Christians celebrate the birth of Jesus, given by God as a sign and expression of God's love. Giving and receiving reflects the truth that all life is given by God and life is given meaning through the birth of Jesus. Advent is a time of joyful expectation, as we prepare to receive Jesus into our lives and to share this gift with others at Christmas and throughout the year.

PE-Basketball

Children will be able to:

Show consistent performance showing precision, control and fluency. Dribble effectively around obstacles. Show precision and accuracy when sending and receiving. Perform skills with accuracy, confidence and control combine and perform skills with control, adapting them to meet the needs of the situation. Play shots on both sides of the body and above their heads in practices. Pupils select and combine skills, techniques and ideas demonstrating their knowledge of tactics, strategies and composition. Respond consistently in the games they play, choosing and using skills which meet the needs of the situation.

French

Children will learn how to:

Read and tell the time (analogue times) and learn how to describe and name elements of a typical school routine through using some more complex sentences

They will form justifications for opinions on school subjects using the conjunction 'because'

They will also recall 1-100 (R/W 1 – 20 + x10 – 100)

PSHCE-Being me in my world

Children will discuss how it feels to be new and welcomed into a community such as a club or school. They will consider ways to make our school community a better place and care for other people's feelings.

Skills:

Children will be able to:

- Developing confidence and responsibility and making the most of their abilities.
- Preparing to play an active role as citizens.
- Developing good relationships and respecting the differences between people.

WOW Experiences –

Windsor Gardens with Earthworks
Computing with Kev

Class Novel/Book:

Storm Breaker-Anthony Horowitz

English

Biographies

- Children will explore the biography of a particular person as presented in a range of different texts. We will link this to our History topic and explore the life of Howard Carter.
- Children will be able to evaluate the reliability and usefulness of biographical information from different sources.
- Pupils will understand the terms 'biography' and 'autobiography' and can use them appropriately. We will also cover writing an autobiography this year!
- They will extract and interpret information effectively from biographical and autobiographical sources and capture ideas, language and learning to be able to use and apply in the writing phase.

Flashbacks

- Year 6 will be able to express views on how an author has used a range of techniques to indicate a specific mood in a text.
- They will be able to identify a range of techniques used by an author to indicate shifts in time between past and present.
- We will focus on capturing ideas, language and learning to use and apply in the writing phase.

Spellings

- Endings which sound like /jəs/ spelt -cious or -tious
- Endings which sound like /jəl/ (-cial / -tial)
- Words ending in -ant, -ance/-ancy, -ent, -ence/-ency
- Words ending in -able and -ible and words ending in -ably and -ibly
- Adding suffixes beginning with vowel letters to words ending in -fer
- Words with the /i:/ sound spelt ei after c
- Words containing the letter-string ough
- Words with 'silent' letters

Mathematics

Decimals

Children will be able:

- To read and write decimals to thousandths; to use concrete materials to represent decimals. To divide whole numbers by larger whole numbers; to use Base 10 materials to represent tenths, hundredths and thousandths.
- To divide whole numbers that give rise to decimals; to calculate decimal fraction equivalents using long division.
- To convert fractions into decimals using bar models and long division.
- To write fractions as decimals; to use long division as the key strategy for turning fractions into decimals.
- To multiply decimals by whole numbers using partitioning or the worded method to help find the solution.
- To multiply whole numbers that include a decimal by other whole numbers; to use partitioning and the worded method as key strategies.
- To multiply decimals by whole numbers, including regrouping and renaming.

Fractions

Children will be able:

- To simplify fractions and to comparing and ordering them.
- To work with both basic fractions, improper fractions and mixed numbers.
- To add and subtract fractions with different denominators, including mixed numbers.
- To draw bar model diagrams to support their understanding before moving on to multiplication and division.
- To divide fractions by whole numbers and explore different methods.

5.6 3.1 2.65
9.3 0.7 1.24
8.2 0.1 2.2
0.12 7.7 0.3

Science

STEM invention project

Pupils will spend this half term becoming real scientists, engineers or mathematicians. They will start by examining existing solutions to everyday problems relative to them. They will interview real people who work in the science, technology and math (STEM) industries.

Through research and annotated designs, children will develop their inventions over time. Pupils will focus on the purpose of the solution, e.g. to help others, health benefits, environment etc and the technology(ies) that could be used such as: transport, internet, entertainment and medical.

At the end of their project, pupils will have the opportunity to enter their designs into a national competition to have their prototype made.

