Topic Map Tear 4   Term: Autumn 2

TITLE: Green Fingers/Muddy Feet

D&T – Pencil Cases

Children will explore a range of pencil cases in everyday use and consider their function, shape and design and the materials that have been used to create them. Children will explore different sewing techniques and decide on the most effective stitching for their own pencil case. They will then put this into practice

Computing
Children will learn to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems and solving problems by decomposing them into smaller parts.

Children will understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web. They will learn how to use search technologies effectively.
Children will continue to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour and identify a range of ways to report concerns about content and contact.

Geography

Why can our world be so challenging?
Children will explore extreme weather across the world such as Hurricanes, Tornadoes, flooding, drought and Forest fires. They will compare floods both at home and further afield and will consider human behaviour and the effects global warming has on these catastrophic events.

PE
Basketball
Pupils will be encouraged to persevere when developing competencies in key skills and principles such as defending, attacking, throwing, catching and dribbling. Pupils will learn to use attacking skills to maintain possession of the ball. Pupils will understand the importance of playing fairly and keeping to the rules
Yoga
Children will learn yoga poses and techniques that will help them to connect their mind and body, building strength, flexibility and balance. The learning includes breathing and meditation taught through fun and engaging activities.

R.E – Called
Children will understand that our lives are marked by many different experiences of being welcomed into new situations and groups. We recognise the importance of being welcome, of feeling comfortable with new situations and belonging to new groups. Children will understand that we belong to families, to work places and to social groupings.

Music - Sea Shanties
Children will learn about sea shanties and create their own version of the song Drunken Sailor. They will sing confidently and accurately in two-part harmony both in small groups and solo leading the class.

French
During this term, Year 4 will be learning to:
Ask and answer personal questions
Recognise school subjects
Read and show understanding of written words for school subjects.
Give opinions about school subjects.

PSHE-Getting on and falling out

Children will discuss and take part in activities to explore what it is like to fall out and how we can better get along.
Skills:
Developing confidence and responsibility and making the most of their abilities.
Prepare to play an active role as citizens.
Develop good relationships and respect the differences between people.

WOW Experiences –
Windsor Gardens

Class Novel/Book:
Hetty Feather by Jacqueline Wilson

English

Stories from Other Cultures

Children will read a number of short stories from around the world and negotiate through comprehension and discussion based on texts read that will allow them to demonstrate how to use evidence to support their own point of view.

They will identify the features of stories from other cultures and select a character from one of the stories. Children will demonstrate how to devise questions to ask that character, work in role to interview characters to explore their motives and behaviour. Children will talk about making deductions based on evidence from the text and responding imaginatively with writing of their own

Persuasive texts

Children will read, compare and contrast a range of persuasive texts, they will express views about the persuasive nature of different texts.

Whilst comparing persuasive texts, children will record common features of the text-types.

Children will be able to identify key language features in persuasive texts and write a range of persuasive texts including posters, advertisements and letters.

Phonics
Some children will be practising their phonics to consolidate their learning during interventions. They will revisit and review phase 3 sounds and will learn the phase 5 vowel digraphs -ay, ou, ie, ea, oy, ir, ue and aw.

Mathematics

Multiplication and Division

Children will further develop their understanding of multiplication and division. They will learn how to divide and multiply by 1 and 0 and understand the law of commutativity. They will learn how to multiply three numbers together using prior knowledge of multiplication tables.

Children will use their tables and knowledge of place value to multiply multiples of 10, leading to the multiplication of 2-digit numbers using short multiplication. They will use their knowledge of multiplying multiples of 10 when multiplying multiples of 100, leading to multiplying 3-digit numbers using short multiplication.

Children will learn more about division and will divide 2-digit numbers using two methods, including numbers with remainders. They will learn to solve multiplication and division problems using the methods they have learned and will use bar models to visualise what the problem is asking them to do.

Science

If you were an engineer…

Our 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 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.

Pupils will enter their designs into a national competition to have their prototype made.

Tasks will include identifying different engineers such as Civil, Mechanical and Aeronautical.