

Y 2 Spring Term

Dragons (4 Weeks) Brilliant Brunel (6 Weeks)

Literacy

- **Writing for different purposes: Descriptive writing**
Write a dragon description based on 'Tell me a Dragon' by Jackie Morris, using expanded noun phrases to describe a dragon the children have drawn.

Grammar

Expanded noun phrases, verbs (adverbs), coordinating conjunctions, commas in lists, full stops to mark sentence boundaries, capital letters for proper nouns and to start sentences, question marks for questions, writing statements and exclamations, apostrophes for contractions and belonging.

Writing across the curriculum

- Writing as a villager linked to debate with Isambard Kingdom Brunel. (Statements and exclamations)
- Writing letters in character explaining thoughts on the new train line from London to Bristol.
- Writing as Isambard Kingdom Brunel persuading villagers that the train line to Bristol is a good idea.
- Research information about Brunel. Create a fact file with key information about him, his inventions, his life.

Maths

2.5 (Additive reasoning)

- Count in tens from any number forward and backward.
- Solve problems with addition and subtraction.
- Applying their increasing knowledge of mental methods.
- Recall and use addition facts to 20 fluently, and derive and use related facts to 100.
- Add and subtract numbers using objects, pictures and mentally including:
 - A two digit number and ones
 - A two digit number and tens
 - Adding three one digit numbers
- Show that addition of two numbers can be done in any order (commutative) subtraction of one number from another cannot.
- Recognise and use the inverse relationship between addition and subtraction.
- Recognise and use pounds (£) and pence(p)

2.6 (Number sense)

- Number and place value - Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward
- Multiplication and division – recognise odd and even numbers
- Statistics – interpret and construct pictograms, tally charts, block diagrams and simple tables.

2.7 (Multiplicative reasoning)

- Recall and use multiplication and division facts for 2, 5 and 10 tables.
- Show that multiplication of two numbers can be done in any order (commutative).
- Solve problems involving multiplication and division using arrays, repeated addition, mental methods.
- Tell and write the time and know the number of minutes in an hour and the number of hours in a day.

Computing

Understand what algorithms are
Create and debug simple programmes
Use logical reasoning to predict the behaviour of simple programs.

- Programming – Introduce the word algorithm. Children give and follow instructions for a range of non-computer based activities.
- Use iPads to explore Beebot movements Which instructions have to be given to make Beebot move in a certain direction.
- Talk about the algorithm that will move Beebot to a specific position.
- Introduce debugging to improve the effectiveness of their algorithm.
- Purple Mash

Programming – understand what algorithms are and that programmes follow precise and unambiguous instructions; create and debug simple programs

- Work on 2Code chimp level
- Inputting simple codes: command, event, action.
- Fixing problems by changing the code.

D and T

Dragon masks

- Look at examples of different dragon masks. How have they been made? What has been used to make them?
- **Design** own masks thinking about what will be used for the different features, how will different objects/materials be attached?
- **Make** dragon masks using range of equipment.
- **Evaluate** masks thinking about what made them successful? What would have made them even better? What would be done differently next time?

Julian Surtees – building Lego bridges

- Research different bridge types, thinking about shapes, materials used (Bridge walk around Chudleigh)
- **Design** own bridges using Lego.
- **Make** bridges using Lego
- **Evaluate** the bridges – did they do what they were supposed to do? If not, why not?

Science

Finish: Uses of everyday materials

Identify and compare uses of everyday materials – wood, plastic, glass, brick, rock, paper, and cardboard.

How can shapes of solid objects be changed by squashing, bending, twisting and stretching?

- Go on a material hunt around the school.
- Sorting materials according to their properties.
- Investigate why materials are used for certain objects/jobs – what makes them suitable/unsuitable?
- Investigate that things can be made out of lots of different materials and materials can be used for more than one thing.
- Comparing uses of materials in and around school: identify and classify, record observations.
- Identifying natural and man-made materials. Finding out about the journey from natural to man-made e.g. cotton, rubber, silk etc.

Plants

Observe and describe how seeds and bulbs grow into mature plants.

Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

- Observe plants in the environmental area regularly to observe changes as winter turns into spring.
- Discuss and name common plants and their uses;
- Look at the structure of plants including stem, leaf, flower, root etc;
- Look at characteristics of living things;
- Investigate different growing conditions that enable plants to grow healthily (understand the need for water, sunlight and air);
- Make predictions based on prior knowledge; examine seeds and bulbs to identify differences; record changes.

Animals, including Humans (Link to SRE)

Notice that animals, including humans, have offspring which grow into adults.

- Introduce the idea of reproduction and growth in animals;
- Observe and measure how different animals grow;
- Look at life cycles – chicks? Tadpoles? Butterflies?
- Investigate what animals need to grow and survive and stay healthy.;
- Ask questions and decide ways to find answers.

History

Events beyond living memory which were significant nationally – The Great Western Railway from London to Bristol; Lives of significant individuals – Isambard Kingdom Brunel

- Train timelines/ sequencing events and seeing the changes over time.
- Isambard Kingdom Brunel - who was he and what was important about what he achieved?
- Drama relating to why IKB wanted the railways and why the villagers were not happy about it. (Link to literacy)
- Make a horrible history video about Brunel.
- Brunel fact file (Link to literacy)

Art and Design

Look at the work of different artists; looking at similarities and differences.

Use a range of materials to design and make products.

Develop art and design techniques including line, shape and form

- Carl Devine's Coronado Bridge – focus on collage technique to build up a picture.
- Monet's bridge at Giverny - focus on the Impressionist style with painting techniques.

Music

Play tuned instruments; Experiment, create, select, combine sounds.

- Tom Deam from The Bushel Youth and Community Orchestra Project teaching the children how to play the violin.

MFL

Not applicable in KS 1

PE

Fundamental motor skills:

- Stability – developing core strength through balancing on large and small body parts, travelling whilst taking body weight on hands, jumping and landing.

Dance:

- Perform dances using simple movement patterns – create a dragon dance to perform in assembly.

Gymnastics:

- Create and perform a simple sequence of different gymnastic elements smoothly and with control.

Games:

- Participate in team games, developing simple tactics for attacking and defending. Play simple invasion games (throwing and catching) and net-type games (racket skills)

Geography

Use maps, aerial photographs to recognise landmarks and basic human and physical features.; Use vocabulary to describe geographical features; Construct basic symbols on a key; Use simple compass directions and locational and directional language to describe locations and features on a map.

- Use Google maps to identify the route from London to Bristol. Pick out key geographical features (human and physical), recognise landmarks along the way.
- Devise a simple map to show the route from London to Bristol marking on landmarks using simple symbols in a key.

RE

Leaders and Teachers

- Explore leaders and teachers within Christianity and Judaism.
- Introduce children to the concept of leaders and teachers.
- Enable children to explore the meanings both in their own lives and within the lives of Christians and Jews.
- Explore qualities of leadership

PSHE

Going for Goals:

- Setting, planning and achieving realistic goals.

Good to be Me:

- Knowing myself, recognising and managing feelings, making the right choices.

Sex and Relationships Education

Use the FPA website lesson plans and activities to cover the following

- Keeping safe: Out and about
- My Body: Internal Body Parts
- My body: Keeping Clean
- Life Cycles: Looking after babies
- Feelings: What to do when we feel sad
- Relationships: Different families
- Gender Stereotypes: Similar and Different
- Online Technology Safety: Taking Care online
- Online Technology Safety: Who can help us