

KS2 Formal Curriculum

Rationale

Intent

To deliver an exciting, broad and balanced curriculum wherein all subjects are valued and all learners are enthused and excited by a range of practical learning activities, workshops and external visits. Our broad curriculum allows the delivery of both core subjects and non-core subjects as well as the school's TALENTS aspirations as part of an integrated, immersive experience for all, highlighting the relevance of developing functional speaking, reading, mathematics and English skills for all areas of life. We strive to develop curious and independent learners who are confident in their abilities.

Implementation

Each project will be delivered in a cohesive way with activities planned to bring the curriculum subjects to life in a way that makes sense to the individual needs of our learners, and while making the best use of available resources. The Formal Topic and Science curriculums are delivered through termly themes for each strand and the themes are linked between the two subject areas and the English Talk for Writing text is also linked to the termly themes. This provides further opportunities for learners to return to some areas to further build their understanding and knowledge of topics learnt, while keeping the delivery flexible to enable crossovers into other areas of the curriculum such as Communication, Reading, Writing, History, Geography, PSHE, Music and Art & Design. Specific learners are also able to access the Semi-Formal curriculum within the Formal topic themes currently being taught.

Maths is delivered using the Numicon Program in the KS2 Formal curriculum, for at least three sessions a week. Learners are pre-assessed before beginning the program so that they can begin their learning at a level appropriate to them. Therefore, Maths is taught on an individual basis, supporting learners to progress when they have successfully mastered the current working level. The Numicon teaching program is a multi-sensory way of learning, which means learners learn by seeing (shapes/colours) and feeling the tiles to help understand number relationships. These methods enable learners to experience mathematics at levels that are individually appropriate for them.

Phonics (following the Read, Write Inc approach), Writing, Computing, RSHE, Music, and Art are additionally delivered at timetabled sessions throughout the week. Phonics is delivered at least three times each week and the other subject strands are delivered once per week.

Impact

Learners are assessed on a termly basis in the following areas:

- Communication Development
- Characteristics of Effective Learning
- Communication Individual Approaches where appropriate
- RWI Phonics
- English (Writing)
- Maths – Numicon approach
- Science
- Topic which includes the following individual strands: Art and Design, Computing, D & T, Geography, History
- Semi-formal curriculum (My Communication, Solve it, I can do it, My Emotions, Let's Create and Play) for those learners accessing this

The termly tracking enables the opportunity to assess what learners have grasped and what may require more review.

Yearly Topic Themes

Year 1 (2021-22)

Term	Imaginative Learning Project	Key Focus	Memorable Experience	NC topics	Development of writing /Extended writing opportunity	Functional Maths opportunity	Careers	Science unit to support topic
Autumn 1 (2 Weeks)	All about me / People who help us.	Transition to the new academic year						Science skills
Autumn 1	Muck, Mess and Mixtures	Art	Messy Mixtures Morning	Materials Colour Painting Sculpture Great artists	Writing a recipe using expanded noun phrases	Measuring capacity Volume Standard units	Working in a commercial kitchen	Mixtures
Autumn 2	Towers, Tunnels and Turrets	DT						
Spring 1	Blue Abyss	Science	Ocean creatures dissections	Under the sea Living things Habitats	Dilemma story, trapped under the sea	Measuring temperature.	Careers on a submarine	Solutions
Spring 2	Bounce	PE	Ball activity with as many different types of balls as possible!	Sport and games Significant individuals Teamwork	Writing instructions	Measuring time. Standard units of time	Careers in a sports stadium/sports centre	Forces
Summer 1	Land Ahoy	Geography	Visit Mill Pond and have a go on the paddle boats.	Oceans The sea Maps Significant individuals Water Boats and ships	Creating a story around a painting of a boat or ship.	Measuring mass using standard units (g and kg)	Careers in the Royal Navy	Floating and sinking
Summer 2	Predators	Science						

Year 2 (2022-23)

Term	Imaginative Learning Project	Key Focus	Memorable Experience	NC topics	Development of writing /Extended writing opportunity.	Functional Maths opportunity	Careers	Science unit to support topic.
Autumn 1 (2 Weeks)	All about me/ people who help us.	Transition to the new academic year.	.					Science skills
Autumn 1	Rio de Vida	Music	Carnival day in the classroom Samba workshop (schoolworkshops.com)	Brazil Celebration South American carnivals Performance Musical composition	Writing a poem about carnival	Recognising and naming 2D shapes	Tourism	Sound
Autumn 2	Moon Zoom	DT	Crash scene activity	Space Models Materials Mechanisms Significant individuals	Writing an incident report.	Using the language of position and direction.	Working for a news paper/ news site.	Space
Spring 1	Street Detectives	History	A walk to the shops following a map!	Local area study Changes within living memory Maps	Writing instructions on how to get somewhere.	How long does a journey take?	Planning and construction	Everyday materials
Spring 2	Road trip USA (transport) + Bright Lights Big City	Geography	Visiting 14 states activity (On the Hub)	USA Non-European society Nat. Americans Maps	Writing a diary		Jobs in a hotel	Circuits
Summer 1	The Scented Garden	Science	Visit Long Acres - look at diff flowers. Go on hunt around the school to find different flowers.	Plants Our senses	.Writing instructions for planting a seed	Measurement of length (standard / non-standard units.	Working in a Garden centre or nursery	My senses
Summer 2	Flow	Geography	Visiting the stream in Anneford Place Park -Pond sampling.	Rivers The water cycle	Writing a Journal of a virtual river trip	Calculating speed (of flow)	Careers in a Country Park	Solids, liquids and gases

Year 3 (2023-24)

Term	Imaginative Learning Project	Subject focus	Memorable Experience	NC topics	Development of writing /Creative writing opportunity	Functional Maths opportunity	Careers	Science unit to support topic
Autumn 1 (2 Weeks)	All about me/People who help us.	RSHE	Visiting different parts of school	Community helpers		Counting Addition	Civil servants	Science Skills
Autumn 1	Splendid skies	Science	Go on a weather walk, sketch clouds and shadows made by the sun. Collect natural items that reflect the time of year and season to make a display.	Seasonal changes Weather	Writing a holiday postcard or writing a rhyming poem.	Measuring temperature	forecasting the weather	Light and Shadows
Autumn 2	Heroes and Villains	Music	Superhero dress up day	Modelling	Narratives	Addition Subtraction	Community helpers	Forces Magnets
Spring 1	Paws, Claws and Whiskers	Art	A visit from the school dog - ask as many questions as possible!! OR Use community links session to visit a local animal shelter.	Animals Pets Colour Shape Pattern Texture	Writing a story about how an animal got its unique features e.g how did the elephant get its trunk?	NO specific opportunity so use animal based maths activities	Working in a vets surgery	Predators and prey
Spring 2	Rocks, Relics and Rumbles	Geography	Archaeology – digging for bones	Earth's layers	Writing instructions	Timeline Ordering numbers	Palaeontologist	Rocks and Fossils
Summer 1	Dinosaur Planet	History	Dino visit to school (animatronics)	Dinosaurs Prehistory Fossils Significant Individuals	Review of dinosaur poem Forming lower case letters.	Measuring length using standard and non-standard units	Working in a museum Curators	Simple classification (vertebrates)
Summer 2	Mighty Metals	Science	Taking apart a machine to investigate what's inside Science Museum	Forces Push/Pull Properties	Writing/ following scientific method	Time Speed	Engineers Technicians	Properties of Metals

Year 4 (2024-25)

Term	Imaginative Learning Project	Key Focus	Memorable Experience	NC topics	Development of writing /Creative writing opportunity	Functional Maths opportunity	Careers	Science unit to support topic.
Autumn 1 (2 Weeks)	All about me/ People who help us	Transition to the new academic year						
Autumn 1	Superheroes	PE	Have as upper hero hunt around the school, this could be toys or cut outs but have some staff dress up and jump out as real-life superheroes.	Heroes Sport and Games Our senses	Write a comic strip superhero story!	The language of comparison e.g tallest, taller etc, when comparing superheroes.	Working in the emergency services	Healthy eating
Autumn 2	Scrumdiddly-umptious	DT	Use community links session to buy selection of fruits, veg to bring back to class to research where in the world may have grown.	Food groups Nutrition Fairtrade Healthy eating Physical changes	Writing a poem using made up nonsense words.	Measuring mass in grams and other measurements such as cups. Using money	Working in the food industry	Melting and other physical changes
Spring 1	Wriggle and Crawl	Science	Minibeast hunt/ butterfly experience in class with a butterfly kit. Watch stick insects grow (Can go to science room)	Minibeasts Plants Animals	Describe how to look after a minibeast (captive or free)	Looking at lines of symmetry in nature	What does a beekeeper do?	Animal life cycles
Spring 2	Potions	Science	Potion-making workshop	States of matter	Poetry writing about potions	Measure-Mass		Mixing solutions
Summer 1	Beat, Band Boogie!	Music	Drumming workshop. Or invite someone who plays the drums to come in and perform for learners.	Musical instruments Materials Listening to music Singing	Writing a newspaper report for the "Grand Old Duke of York"	Chanting times tables	Careers in the Army	Ears and hearing
Summer 2	The enchanted woodland	science	Forest school-collect natural items. Hide fairy items such as glitter and teeny barbie shoes for learners to find.	Animals Plants Seasonal changes	Making a mini book about a favourite woodland animal	Using money in the woodland shop	Country-side management	Parts of a plant