
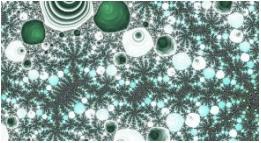


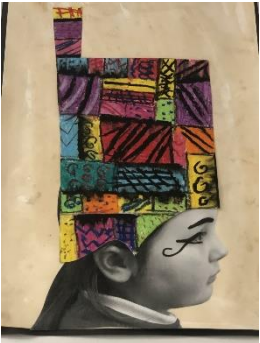



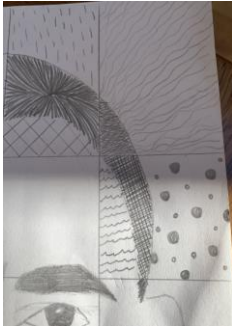




Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 2	Summer 2
Project						
Project Focus	Geography	History	Science	Science	PSHE	Science
Breadth of project	Gardening, growing and farming	Kings, queens, rituals and industry	Space, the Solar System and gravity	Properties of materials and graphic scores	Human features, personalities and developing an identity	Minibeasts, their habitats and features and food chains
Core Texts						
	Stig of The Dump by Clive King	Marcy and the Riddle of the Sphinx	Cosmic by Frank Cottrell Boyce	The Firework-Makers Daughter by Philip Pullman	Boy In The Tower by Polly Ho-Yen	Room 13 by Robert Swindells
Memorable Experience	Visiting local Allotments to pick produce and learn about growing and planting	Children will visit a real life mummy at Leeds City Museum and explore artefacts from Ancient Egyptian times	Children will see the stars and planets up close in visit from a Planetarium	Royal Society of Chemistry grouping and classifying materials workshop	Staff Baby Photos challenge City art tour focussed on Identity (Bexley Street Warrior Girl)	Visit to Skelton Grange to identify habitats, life cycles and food chains

Visits and Visitors	Allotment visit- Osmondthorpe and visit to Leeds Farmers Market Dside visit	Leeds City Museum Visit – Egyptian workshop	Planetarium visit Leeds Playhouse 4 week workshop	Leeds art gallery visit and map reading visit	Yeadon Tarn	Skelton Grange Whitby Writers Link to Y6 Whitby residential Dside visit
Leeds Links	Local walk to the allotment and links with local supermarkets and Kirkgate Market Dside visit	Leeds City Museum visit Leeds industry leaders (Burton Factory and Marks and Spencers)	Local astronomers associations Zoom call Leeds Playhouse workshops Leeds Road safety Team	Link to inspiring women of Leeds Barnbow Lasses, Nicola Adams, Jane Tomlinson Leeds children’s mayor)	Leeds Carers visit Yeadon Tran and Leeds parks/open water swimming safety Leeds United visit Leeds school poetry competition	Skelton Grange visit Leeds Breeze Summer events and holiday provision
English	Write Barney’s diary for the day he met Stig Setting description of Stig’s cave and his inventions Greta Thunberg biography	A quest story mirroring that of Macy A class letter swap writing to a pharaoh and a reply letter in role as a pharaoh What connects an Ancient Egyptian Queen, a 17 th Century Playwright and a school in Lincoln Green? School magazine report	Character description of Liam Story about a boy or girl who is different, tells a fib and ends up somewhere unusual. Horrible Histories style report on space, planets	Rewrite chapter 1 from Lila’s father’s point of view Character description of the Emerald Goddess Malala Yousafzai inspired If I had a magic pencil... (Leeds children’s mayor)	Extended 5 part dystopian story guided write with author ID Poetry competition with Co-op high school	The Nightmare Man short story (Pie Corbett) Suspense story based on Room 13 Whitby persuasive advert script
Maths	Place Value: up to 10,000,000 Addition, Subtraction, Multiplication, Division: Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication. Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division,	Place Value: up to 1,000,000 Addition and Subtraction: whole numbers using the column method up to 4 digits checking with the inverse operation Statistics Read and interpret line graphs, two way tables and timetables	Fractions Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fractions > 1 Position and Direction Describe and translate positions on the full coordinate grid (all four quadrants).	Properties of Shape Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.	Position and Direction Reflection and translation with coordinates Measurement: Converting Units Convert between different units of metric and imperial measure Measurement: Volume Compare and estimate volume and capacity	Measurement: Converting Units Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp . Perimeter, area and Volume Use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles. Ratio

Science	Plant Reproduction and lifecycles Children will learn about the life processes and reproduction in plants	Properties and changes in materials Children will learn to compare and group materials based on hardness, transparency, conductivity (electrical and thermal) and response to magnets about leavers, pulleys and gears	Earth and Space; Forces Children will learn about the movement of the Earth, and other planets, relative to the Sun in the solar system. Children will learn about the force of gravity and what makes day and night	Properties and Changes of Materials Children will learn how to separate mixtures by evaporating, filtering and sieving. They will identify and describe reversible and irreversible changes	Classification, families and Inheritance Children will devise a classification key on genetic characteristics of the whole class. They will learn about fingerprints and DNA and how children develop into old age Air resistance, water resistance and friction	Living Things and their habitats Children will use and develop keys to identify, classify and describe living things. They will find out about their local habitat and what creatures make their homes there.
Science – Love to Investigate	How many potatoes can you grow? Children will learn about the different structures that plants use to reproduce and observe how potatoes grow.	Which materials conduct heat Children will use a thermochromic sheet to identify thermal conductors	How does the moon move? Children learn about how the Sun, Moon and Earth move relative to each other	Do all solids dissolve? Children test a range of solids to find out which ones are soluble.	Why are things classified? Children will learn about the principles of classification and create their own keys to classify each other.	How many worms are underground? Children investigate the earthworm population in the school grounds. They will observe the earthworms and identify different species and the life cycle of a worm
DT	Cooking and Nutrition Children will use food brought back from the allotment to make a herby salad 	Understand and use mechanical systems Children will design a shadow box with levers and pulleys	Materials Children will use stitching techniques and layering to create a moonscape textile sample 	Technical knowledge Use Garage Band to create gaming video soundtrack		Structures Children will create a wormery using a wide range of tools 

History		Ancient Egyptians Children will learn when and how the Ancient Egyptian civilisation started. They will learn about the role of the pharaoh and the importance of the afterlife. Children will learn about everyday life in Ancient Egypt	Significant Individuals Children will learn about Galileo and Sir Isaac Newton and why they are significant	Local history beyond 1066 that is significant in the locality Burmantofts pottery, Burtons factory and Leeds Kirkgate market		
Geography	Land use, food origin, climate Children will learn about different climates across the world and which foods are grown where. 8 point compass skills	Egypt Children will learn how to locate Egypt on a world map. They will learn about the River Nile and how Egyptians used water supply then and now		Using coordinates Children will locate features on a map up to 6 figure grid references. They will produce their own map and key.	Local Community Children will compare and contrast their locality to contrasting countries once lived in by class members Locational knowledge revisit	
Computing	Esafety and animation Children to create a stop motion animation of seed dispersal	Esafety, research skills and data collecting Children will conduct research about the Pharaohs. Children will learn how to collect data on weather	Esafety and Programming Children will sequence a series of instructions for programmable toys in order to negotiate a created 'moon terrain' avoiding obstacles and deep craters.	Esafety and Garage Band Children will use the App Garage band to create their own digital composition	Esafety and Coding Children will learn to debug through coding	Esafety and Search Engines Children will research how to make a wormery before making one in DT
Art	Painting Children will study the life and work of Georgia O'Keefe. They will use watercolours to produce a detailed field drawing. 	Oil pastel Cubism and oil pastel creating their own personal Nemes to sit over a side profile image of their own face 	Printing Children will create a lunar chart based on the phases of the Moon over a month  Drawing, painting and sculpture Children will use a variety of materials to make a large-scale drawing, painting or model of their design of an alien 	Large Scale Art collage Children will make a large piece of art designing a magical national animal for the national animal of Alchemy Island 	Photography Children to use techniques to splice portrait photographs of others using elements of Art. 	Observational Drawing Children will make detailed line drawings of minibeasts, clearly showing their particular features.  Collage Children will create a mixed media collage about metamorphism 

Music	Guitars Children will learn the chords and how to play songs on a tuned instrument.	Play and perform in an ensemble Leeds Town Hall concert and Christmas show	Increasing aural memory Vocal warm up exercises	Composition Children will use the App Garage Band to make their own digital composition	Guitars Children will learn the chords and how to play songs on a tuned instrument.	Increasing aural memory Vocal warm up exercises
PE & Sport	Basketball Develop understanding of zonal and man-to-man defending. Show understanding of all techniques learned Tag Rugby Children develop passing and moving in a game scenario Swimming Children will follow Swim England School Swimming Framework Awards	Gymnastics Working with a partner going over and under each other and apparatus Netball Learn to play a high 5/netball related game Swimming Children will follow Swim England School Swimming Framework Awards	Health Related Fitness Understand the benefits of regular exercise Gymnastics Perform a sequence where the start and end points are clearly defined	Athletics Discover and develop fluency in a number of track and field activities Tag Rugby Understand the techniques within tag rugby	Athletics Learn the correct triple jump technique Outdoor and adventurous activities Learn how to work with a partner to solve problems and obstacles Swimming Children will follow Swim England School Swimming Framework Awards	Dance – Best of British Copy, repeat, rehearse and refine simple dance moves Netball Play games of high 5/netball, officiating and taking responsibilities within the game
RE	Christianity Key Question - What values are shown in codes for living? Children will learn about the story of Adam and Eve and what matters most to them.	Islam Key question: Key Question - Why are some places and journeys special? Children will learn about special places, pilgrimage and Mecca	Christianity Key Question -How do Christians express their faith and spirituality? Children will learn about prayer, music and the different interpretations of Christianity	Humanism Key Question -What is Humanism? Children will learn about humanism, Darwin vs Religious beliefs and celebrating human life	Sikhism/Christianity What values are shown in codes for living? Children will learn about tolerance and what it means to be different	Christianity Key Question: What do Christians believe about Jesus' death and resurrection? Children will learn about Jesus' death and what Easter means to Christians
PSHE	Physical health and wellbeing Children will learn about role models and how the media can manipulate advertisements and images Self belief Mind Mate	Identity, society and democracy Children will learn about gender stereotyping and how prejudice and discrimination can make people feel RSE puberty I know what mental health is	RSE What types of relationships are there? Solving problems and restorative justice	Keeping safe and managing risk Children will learn about the consequences of anti-social behaviour (including gangs and gang related behaviour)	Careers, financial capability and economic wellbeing Children will learn about the world of work and how you can manage your money	Relationships and Sex Education Children will learn about the changes that occur during puberty and about the roles and responsibilities of carers and parents RSE Are all families like mine?
Innovative and Enrich	Tasting of local products from the farmers market and local allotment Online safety- Dside	Curate an Ancient Egyptians museum day for parents	Leeds Playhouse performance for parents Whole class solar system role play Now Press Play	Dside visit Drugs and alcohol Road safety team visit Bike ability Orienteering on site	Art gallery show case with East St Arts for local community members including Local area art walk	Visit the school pond Planting in the raised beds