

| | | | |
|--|--|--|---|
| <p>Topic Name – Moon Zoom</p>  | <p>Year Group - Year 1 Spring 2</p> <p>Topic Purpose Question – How can the knowledge of the moon’s terrain and environment support our understanding of space?</p> | <p>Curriculum Coverage Design Technology.</p> <p>Topic Purpose – To use creativity, imagination and knowledge to design and make a product that solves a real problem. To do this a board range of subject knowledge is needed which draws on disciplines of mathematics and science. Throughout this topic a variety of practical and creative activities should be taught to gain the knowledge, understanding and skills needed to engage in an interactive process of design and making.</p> | <p>Class Novel: Homework on Pluto</p> <p>Purpose- Topic specific vocabulary as it charts the inter-planetary correspondence between space traveller Jon and his primary school class back on Earth. As well as letters, his adventures on Pluto are documented in a scrapbook-style collection of leaflets, newspaper articles, homework reports and other paraphernalia collected along the way showing different genres of writing.</p> |
| <p><u>Links to previous topics.</u> Year 1 Splendid Skies</p> <p><u>Links to future topics.</u> Year 2 Explorers Year 5 Stargazers</p> | <p>Science</p> <p>Everyday Materials Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Activity: Create moon terrain using different objects and explain its properties.</p> <p>Describe the simple physical properties of a variety of everyday materials. Activity: Investigate the best material for an astronaut’s helmet e.g. blackout glass.</p> <p>Purpose Question: What type of material do you need to make a successful astronaut’s helmet?</p> | <p>History The lives of significant individuals in the past who have contributed to national and international achievements. Some should be used to compare aspects of life in different periods. Activity: Use information books and other available historical resources to find out about Yuri Gagarin (the first person to travel into space) as well as Neil Armstrong and Buzz Aldrin (the first men to land on the Moon).</p> <p>Changes within living memory – where appropriate, these should be used to reveal aspects of change in national life. Activity: Use the <u>History of space</u> provided to find out about the chronology of space travel. Work as a whole class or in small groups to sequence the cards.</p> | <p>Geography</p> <p>Physical Use basic geographical vocabulary to refer to key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather. Activity: From space identify Earth’s features. Spot similar features in other planets.</p> |
| <p>Engage Stage</p> <p>Moon Zoom Think Tank Discovery day – Option A –destination space – a big journey, Option C- planetarium Night Dome.</p> | <p>Distinguish between an object and the material from which it is made. Activity: Make a ‘Welcome to Earth’ box for the alien visitor to help them understand our planet. Select samples and objects made from everyday materials. Write a label for each item to identify it, explain its simple properties and show how it can be used</p> <p>Gather and record data to help in answering questions. Gather and record data about the Moon and the eight planets in our Solar System, using a range of non-fiction books, posters, the web and video clips. Answer questions relating to the order of the planets from the Sun, their composition, properties and other interesting features. Purpose Question: Which planet do you think the crashed craft might have come from? Why?</p> <p>Key Vocabulary: wood, plastic, glass, paper, water, metal, rock, hard, soft, bendy, rough, smooth, property, light, temperature, hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent, brick, paper, fabrics, squashing, bending, twisting, stretching elastic, foil</p> | <p>Purpose Question: How did the achievements of these individuals and events contribute to what we know about space today?</p> <p>Key Vocabulary: Old, new, earliest, latest, a long time ago, recount, sequence, oral history, sources of evidence, invention, similarity and difference.</p> | <p>Key Vocabulary: Ocean, City, Urban, Offices, Human feature, Physical feature, Landmarks, Aerial, Environment, Key, Symbol, location, Atlas, Globe, Soil, Valet, Vegetation, Port, Harbor, Factory, Town, village.</p> |
| <p>DT</p> <p>Technical Knowledge Use mechanisms (for example, levers, sliders, wheels and axles) in their products. Evaluate: Evaluate their ideas and products against design criteria. Activity: Design, make and evaluate a buggy using sliders, wheels and axles which will be tested over a certain terrain like the moon and resist certain conditions.</p> <p>Key Vocabulary: levers, sliders, wheels and axles, pivot, slot, bridge/guide, card, masking tape, paper fastener, join, pull, push, up, down, straight, curve, forwards, backwards, vehicle, wheel, axle, axle holder, chassis, body, cab assembling, cutting, joining, shaping, finishing, fixed, free, moving, mechanism, names of tools, equipment and materials used.</p> | <p>PE</p> <p>Participate in team games, developing simple tactics for attacking and defending.</p> <p>Master basic movements including running, jumping, throwing and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities</p> <p>Activity: Games strike and field focus.</p> | <p>Music</p> <p>Play tuned and untuned instruments musically.</p> <p>Listen with concentration and understanding to a range of high-quality live and recorded music. Activities: Unit 2 Number (Beat)</p> <p>Play tuned and untuned instruments musically.</p> <p>Experiment with, create, select and combine sounds using interrelated dimensions of music. Activities: Unit 5 Machines (Beat)</p> | |
| <p>Computing Understand what algorithms are, how they are implemented as programs on digital devices, and that</p> | <p>PSHE</p> <p>Healthy Me. Being Healthy Clean and Healthy</p> | <p>RE Theme: Easter - Palm Sunday</p> | <p>Writing focus connected to topic Character descriptions (3 weeks) Adverts – moon buggies (3 weeks)</p> |

| | | | |
|--|--|---|--|
| <p>programs execute by following precise and unambiguous instructions.</p> <p>Activities: See computing planning.</p> <p>Key Vocabulary: algorithm, instruction, order, debug, program, turn, left, right, clockwise, anticlockwise, blocks, sequence, project, repeat, repeat forever, invisible, grow, shrink.</p> | <p>Road Safety Good Health week</p> <p>Key Vocabulary: Healthy, Unhealthy, Balanced, Exercise, Sleep, Healthy, Clean, Body parts, Toiletry items, e.g. toothbrush, shampoo, soap, Hygienic, Safe, Safety, Green Cross Code, Eye, Ears, Look, Listen, Wait.</p> | <p>Key Question: Why was Jesus welcomed like a king or celebrity by the crowds on Palm Sunday?</p> <p>Religion: Christianity</p> <p>Disposition: Being thankful</p> | <p><u>Extended/linked reading</u></p> <ul style="list-style-type: none"> Counting on Katherine – ISBN 1529005590 The Skies above my eyes – ISBN 1910277681  |
|--|--|---|--|