

Lime Class – Cycle B Term 2

Maths – Length, Perimeter, Multiplication and Division.

- Convert between different units of measure e.g. kilometre to metre.
- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- Recall and use multiplication and division facts for multiplication tables up to 12 x 12.
- Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- Recognise and use factor pairs and commutativity in mental calculations.
- Multiply two digit and three digit numbers by a one digit number using formal written layout.
- Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
- Divide numbers up to 3 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.

Computing: Programming – Stop Frame Animation

- I can capture and edit digital still images to produce a stop-frame animation.
- I know how to tell a story through stop frame animation.

English – Fiction: Holes (Louis Sachar)

- To be able to make predictions and know how to draw inferences around characters' thoughts, feelings, actions and motives and justifies using point and evidence.
- To be able to summarises the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.
- To know how to relate to characters, settings and events to their own experiences.
- To identify and comment on vocabulary and literary techniques.
- To know how to use points and evidence to structure and justify responses.
- To be able to retrieve specific information from a text to support response.
- To be able to use a wide range of devices to build cohesion within and across paragraphs.
- I can use first person and past tense.
- To develop settings and characterisation using vocabulary to create emphasis, humour, atmosphere, suspense.
- To know how to edit and improve own writing in relation to audience and purpose.
- To be able to describe settings, characters atmosphere whilst integrating dialogue to convey character and advance the action.
- To be able to comment upon the writer's choice of language in fiction and nonfiction texts.
- To be able to show some awareness that writers have viewpoints and purposes.
- To be able to plan their writing by noting and developing initial ideas, drawing on reading and research where necessary.
- To be able to present information, ideas and opinions clearly, effectively, logically, and persuasively and establish cohesion by using organisational markers effectively.

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PSHE: Moving Forward – Sexual Health

- The concept of consent and respect; about the law relating to sexual consent.
- The impact of sharing sexual images of others without consent.
- Three types of contraception including its importance and purpose; how and where to access contraception and advice.
- The communication and negotiation skills necessary for contraceptive use in healthy relationships.
- What the morning after pill is.
- The risks related to unprotected sex.
- The consequences of unintended pregnancy, sources of support and options available.
- What sexually transmitted infections (STIs) are and how to protect themselves against them.
- To gauge readiness for sexual intimacy.
- How to manage any request or pressure to share an image of themselves or others, and how to get help.
- Where to get advice and support about becoming a parent, consent and/or sexual health, such as school nurses.

Physical Education: Fundamental Movements

- Pupils should understand how to use fine movements in order to outwit opponents.
- Use fine actions in a series of fundamental movements to manipulate equipment.
- Understand how manipulation of equipment can cause a specific movement. I.e. Why the 'dig' in volleyball causes the ball to go high – why would this be useful in a game?

Science: Elements, compounds and mixtures

- Describe the distribution of elements in the periodic table.
- Recall that elements in the same group of the periodic table have similar properties.
- Recall that a mixture contains two or more substances which are not chemically combined.
- Identify the appropriate method to separate mixtures by filtration, distillation, crystallisation or chromatography.
- Describe how to separate mixtures by chromatography.
- Recognise that in paper chromatography, a solvent moves through the paper carrying different compounds different distances.

Humanities: Understanding the Climate Crisis

- That the planet is warming up due to human activities.
- Three human activities that result in climate change.
- Three effects of climate change on the environment.
- To understand how humans could have a positive impact on the climate crisis.
- State six ways that individuals can have a positive impact on the climate crisis, using the six Rs, i.e. reduce, refuse, reuse, repair, recycle, rethink.
- Identify three things they can personally do to look after our planet.
- Read and interpret data from a climate graph.
- Make a poster or art piece related to the Climate Crisis.

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Career Education: Learning About Workplaces

- The different types of workplaces and job roles within the local areas and nationally.
- The skills and qualities linked to specific job roles.
- The basic process of job application.
- Identify different types of workplaces and different careers.
- Identify the skills and qualities linked to specific job roles.
- Identify their personal skills, qualities and interests.
- Demonstrate the required skills and qualities linked to specific job roles.
- Find jobs that they would like to do.
- Explain how their skills and interests match their choices.
- Research new jobs and workplaces
- Identify at least questions that might be asked in a job interview.

Key Stage Four Option Cycle

Art and Design: Working in the style of an artist: Henri Matisse Masking Tape Resist Art.

- Pupils will know facts and be able to recognise 'The Snail' by Matisse.
- Pupils will create their own 'colour' tape resist artwork.
- Pupils will know how to apply impressionist techniques to their own work.
- Research impressionist art by Henri Matisse.
- Create a design using pieces of card
- Use sponge, brush and cloth as implements to apply chosen medium.
- Take photographs to document the stages of the process

Design Technology: Designing and Making a Key Rack

- Design two bird boxes made from wood and annotate each with the main features.
- Measure and mark off the top, bottom, front and back pieces of the bird box.
- Saw the timber to length.
- Mark and drill a hole for the birds' entrance.
- Assemble the box.
- Finish the box appropriately, eg smooth joints.
- Sand surfaces.
- Evaluate the bird box.

Food Technology: Preparing Food for a Celebration; Oven Safety; Christmas Cakes (making, icing and marzipan and decorating).

Physical Education: Human biology: Skeleton, joints and muscles

- Use four pieces of outdoor, stand up gym equipment.
- Attend the outdoor gym for at least four weeks.
- Remain safe when using the outdoor gym.
- Use at least two other gym resources during the gym session, eg battle rope, weighted ball.
- Being out of breath and sweaty following exercise.

Horticulture: Under review