

## Experience:

Civic Award  
Health Week

## Audience / Purpose / Product:

DT - Make a Moving Toy

## English:

### Theme:

We will be linking English with our Geography topic on environmental changes, in particular, rainforest deforestation and destruction for palm oil production. We will be using the text, 'There's a Rang-Tan in my Bedroom' by James Sellick.

### Writing Outcome:

- Persuasive letter

### Key focuses include:

- Select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- Assess the effectiveness of their own and others' writing
- Propose changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- Recognise vocabulary and structures that are appropriate for formal speech and writing
- Linking ideas across paragraphs using a wider range of cohesive devices:
- Use dictionaries and thesauruses to check the spelling and meaning of words

## Vocabulary:

continent	light source
equator	transparent
hemisphere	translucent
biome	opaque
rainforest	reflection
ocean	refraction
deforestation	shadow
pollution	spectrum
Sustainability	angles of incidence

## Music:

We will focus on listening and appraising pieces of music, singing and performing. We will listen to and learn to sing a range of songs including those inspired by K-Pop and Native American culture.

## Science:

**Light :** Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Know that light is made up of seven colours known as the visible spectrum. Understand that when light travels from one material to another refraction occurs. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.



What is happening to our planet ?



## Computing:

### 3D Modelling

- To be introduced to the 2Design and Make tool.
- Explore the effect of moving points when designing.
- Design a 3D model to fit certain criteria.
- Refine and print a model.

## Maths:

### Multiples, factors and primes

- Explain what a factor is and how to use arrays and multiplication/division facts to find them
- Systematically find all factors of a number and how they know when they have found them all
- Use a complete list of factors to explain when a number is a square number
- Explain how to identify a prime number or a composite number
- Explain how to identify a common factor or a prime factor of a number
- Explain how to identify a multiple or common multiple of a number
- Use knowledge of properties of number to solve problems in a range of contexts
- Explain how to use the factor pairs of '100' to solve calculations efficiently

### Fractions

- Use representations to describe and compare two fractions
- Correctly use the language of equivalent fractions
- Solve equivalent fractions problems
- Explain the relationship within families of equivalent fractions
- Use their knowledge of equivalent fractions to solve problems

## School Value Justice

## Geography:

### Human and physical interconnections

- Children will learn where some rainforests and the major oceans are located in the world in relation to the continents and the equator.
- Children will learn about the impact of deforestation in the rainforests linked to palm oil production and plastic pollution in the ocean.
- They will learn about how we can live more sustainably so we have as little impact on the earth as possible.

## Design & Technology:

### Moving toys

Consider the purpose of moving toys and who they are made for. Investigate how they work and evaluate others' designs. Learn about cam mechanisms and followers. Design own moving toy using cam mechanisms. Make the designed moving toy and evaluate it.

## French:

### The Future

Children will learn how to use the future tense to talk about what they are going to do. They should begin to understand how the future tense is formed using "aller" ("to go"), and how to use it in third person sentences.

## Religious Education:

What do Muslim people believe about Islam and Iman?

## RSHE:

Being my Best including healthy lifestyles, achievement, aspirations, resilience, growth mindset, citizenship, community, risk taking, safeguarding and media influence. We will also look at basic first aid.  
Civic Award

## PE:

Core REAL PE - Physical / Athletics  
Swimming