

# Key Stage 1

## Curriculum Fit



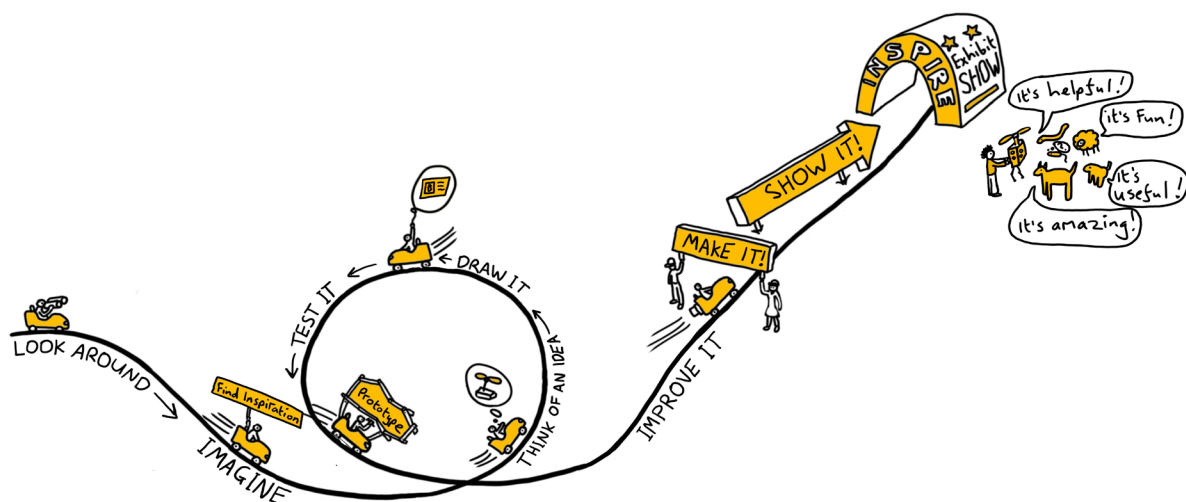
## Making Waves: Inventing for a better ocean

### Learning Opportunities and Objectives

Little Inventors provides great opportunities for students to develop their creative and problem solving skills. Additionally:

- To understand that inventions are all around us, that invention is a way to create solutions to problems or challenges
- Students will learn about the five oceans and that all oceans are connected
- They will be introduced to different ocean habitats and ocean layers
- Discovering the key characteristics of fish and other marine animals
- Learn about the threats to marine life and their habitats
- Investigate how they can create inventions inspired by animals and plants living in the ocean
- To articulate and communicate their ideas in drawing, writing and speech for an audience, as well as to plan and evaluate their writing
- Expand skills in STEM learning
- Become innovative designers through use of a deliberate design process for generating ideas

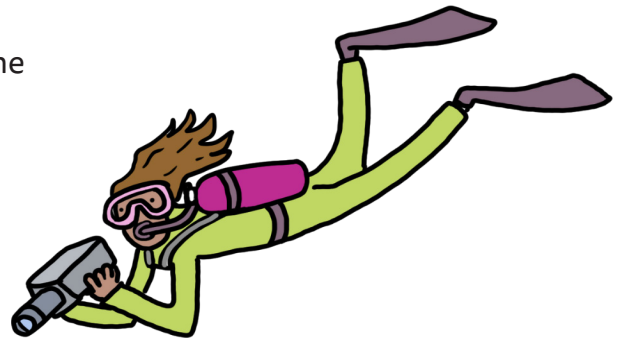
By promoting creative thinking and problem-solving skills, Little Inventors offers many opportunities to link to several curriculum areas with an integrated approach.



## Curriculum links

The topic of oceans is rooted in the KS1 Geography curriculum, which requires pupils to name and locate the world's oceans.

It also has cross-curricular links to a variety of other objectives, including:



## Science

Students can base their invention ideas on observations of the world around them that present opportunities for innovation. They can:

- Identify and name a number of common animals including fish
- Describe and compare the structure of a variety of common animals
- Ask relevant questions and using different types of scientific enquiries to answer them
- Gather, record, classify and present data in a variety of ways to help in answering questions
- Record findings using simple scientific language, drawings and labelled diagrams

## Citizenship

Students can learn to take some responsibility for themselves and their environment  
They can:

- Understanding simple environmental issues
- To realise that people and other living things have needs, and that they have responsibilities to meet them
- What improves and harms their local, natural and built environments and about some of the ways people look after them

## English and Literacy

Students can write both descriptively and persuasively. They can plan and evaluate their writing and communicate their ideas in speech. They can:

- Use language to represent their idea
- Write clearly, accurately and coherently, adapting their language and style in and for a range of contexts, purposes and audiences
- Use discussion in order to learn
- Elaborate and explain clearly their understanding and ideas

## Art and design

Students can produce creative work and explore their ideas using drawing, design and optionally craft. They can:

- Use drawing to develop and share their ideas, experiences and imagination
- Optionally, use a range of materials creatively to design and make products
- Be exposed to the work of craft makers and designers

