

The key skills to support this topic:

investigating reading performing
building designing researching
evaluating drawing conclusions

Spring 1 2020
Year 3

Lighthouses

The key vocabulary to support this topic

light dark darkness light source shadow sunlight
opaque translucent reflection gleam absence
transparent materials components structure key
grid reference cities counties capital city symbols
coasts erosion landforms transportation deposition

The key knowledge to support this topic

Children will learn about lighthouses. This will include how they work and why they are used.

When learning about the location of lighthouses, children will also learn about coastal erosion and its impact.

Mathematics

mathematics
CLIC
multiplication and division
money
reasoning and problem solving
investigation



Cross curricular:

Collecting data in the forms of tables and charts.
Analysing data to inform conclusions in science.
Measuring during science investigations.

English

We are writing:

Narratives

Letters

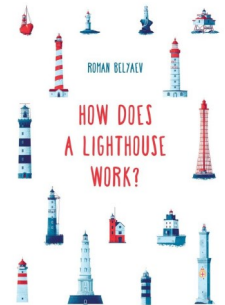
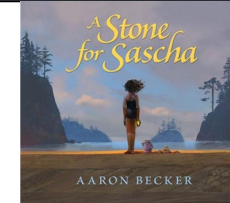
Non-chronological reports

We are reading:

A Stone for Sascha by Aaron Becker

How does a lighthouse work?

Letters by Michael 'Kick' Murphy and
Grace Darling



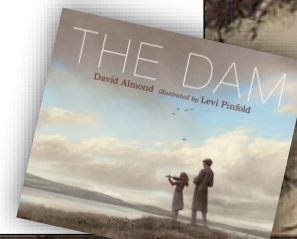
Trips / Special events

The children will have a talk about water safety from the RNLI lifeguards.

The children will also prepare and host a parent museum to showcase their work throughout the topic.

Guiding Readers

This half term, we will be reading
The Dam by David Almond and
Window by Jeannie Baker.



Lighthouses

DT

Children will be following a 5 step process to design, make and evaluate their own lighthouse.

DT



What features worked well?



How was your design a success?



How could you improve your finished product?



materials components structure replace
reinforce diagram cut feature triangular prism

In the science element of this topic the children will be exploring how light works and the effect different sources and objects effect it,

The children will also investigate how moving the light source effects the shadow.

Science



How does light travel?



How do opaque objects effect light?



Why do we need light?



Light dark darkness light source shadow
sunlight opaque translucent reflection
gleam absence transparent

Geography



What is coastal erosion?



Why are lighthouses located on the coast?



How can we protect our coasts from erosion?



key grid reference cities counties capital city
symbols coasts erosion landforms
transportation deposition

MFL

In MFL, the children will be continuing to learn French by looking at animals.

PE:

Multi-skills
Tuesday am



Thorpepark 50

43 Write a letter, buy a stamp and post it



Jigsaw

Dreams and goals

- Identifying our personal dreams and goals and how we can achieve them.
- Discussing the importance of resilience and perseverance when faced with a challenge.
- Evaluating my own learning process and identify how it can be better next time

Religious Education

Faith Founders

- Exploring the teachings of faith founders and how we can learn from them.
- Discussing how Christians use the teachings of the faith founders to influence them.