

Light

KNOWLEDGE ORGANISER – Seahorses Y6 Summer 2019

English

Activities inspired by 2008 animated short film 'The Lighthouse' and Sylvia Plath's 'Mirror' poem

- Writing a newspaper story with interviews with lighthouse-keeper, villagers and men from the boat.
- Researching and writing information report on history of lighthouses and shipwrecks.
- Wickedly wonderful words: vocabulary inspired by film.
- Writing riddle poems inspired by Sylvia Plath's Mirror.
- Reading comprehensions about light.

Art and DT

- Making a periscope
- Fun with shadow puppets
- Learning about Turner, the artist of light

Light

RE

- Let there be light: creation stories and myths

Science

- Recognise that light travels in straight lines
- How does the human eye see?
- Experiments in reflection
- Investigate shadows and how they change
- Split light and discover the science of rainbows

Beach School

- Shadows and sun dials

French

- Vocabulary for discussing times of day and night

History and geography

- The oldest lighthouses in the world, their location and their stories.

Key words I need to know:

Light source	Refraction	Spectrum	Rainbow
Reflection	Concave	Grid	Prism
Fair test	Convex	reference	
Shadow	Lenses	Pharos of	
Periscope	Filter	Alexandria	

I will be learning about:

- how light travels
- how the human eye works
- reflection and refraction
- shadows and sundials
- periscopes
- rainbows
- the location and history of famous lighthouses
- JMW Turner: Romantic artist of light

I will also be working scientifically

- planning different types of scientific enquiries to answer questions
- taking measurements, using a range of scientific equipment
- recording results using scientific diagrams, graphs and tables
- using test results to make predictions to set up further fair tests reporting and presenting findings from enquiries, including conclusions
- identifying scientific evidence that has been used to support or refute ideas or arguments

Home learning activities: useful websites

BBC Bitesize <https://www.bbc.com/bitesize/articles/z2s4xfr>

DK Find Out! <https://www.dkfindout.com/uk/science/light/>

Who is Turner? <https://www.tate.org.uk/kids/explore/who-is/who-jmw-turner>

Kids Britannica: lighthouses

<https://kids.britannica.com/kids/article/lighthouse/400128#251541-toc>

Science for kids: lighthouse of Alexandria

<http://www.scienceforkidsclub.com/lighthouse-of-alexandria.html>

Plus

BBC Supermovers (fun songs with actions for times tables, maths and English)

<https://www.bbc.co.uk/sport/supermovers/42612499>

