

## Key Words:

Oceans, Sea, Species, Pollution, Overfishing, Acidification

### Aims and outcomes:

- To understand the benefits that Life Below Water bring us.
- To recall the threats to Life Below Water.
- To understand and recall solutions to protect Life Below Water.

### Curriculum links:

- **Science:** 'describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets...'
- **English:** 'learn the conventions of different types of writing (for example, the greeting in letters, a diary written in the first person or the use of presentational devices such as numbering and headings in instructions) ...'

## Lesson Plan 1: What threats do our oceans face?

Key question	Activity	Timing
<b>What threats do our oceans face?</b>	<ul style="list-style-type: none"> <li>Read students the introduction section of the 'Life Below Water' page.</li> </ul>	<i>5 min</i>
	<ul style="list-style-type: none"> <li>Split the class into 6 groups.</li> </ul>	<i>2 min</i>
	<ul style="list-style-type: none"> <li>Allocate each group one of the threats to our oceans cited on the SuperKind website. These are 'Plastic Pollution', 'Oil Pollution', 'Pesticide Pollution', 'Sewage Pollution', 'Overfishing' and 'Acidification'.</li> </ul>	<i>5 min</i>
	<ul style="list-style-type: none"> <li>Ask students to use the SuperKind website to work together within their group to make a poster on their allocated threat to our oceans. Signpost students to the SuperKind 'Make a Poster' toolkit. Remind students that they do not need to watch the videos at this point. Students may wish to put any key facts on their poster, as well as adding some drawings to illustrate the problem.</li> </ul>	<i>15 min</i>
	<ul style="list-style-type: none"> <li>Ask each group to present their ideas to the class. Invite the class to ask the presenting group any questions. After each group presentation, you may wish to show the class the relevant video on the interactive whiteboard, but this is not essential.</li> </ul>	<i>20 min + optional 15 min if all five videos are presented</i>

### Resources and materials:

- SuperKind website – 'Life Below Water', 'The Problem'
- SuperKind website – 'Make a Poster'
- Interactive whiteboard, computers, tablets, or printouts to display website
- A3 sheets of paper
- Pens, pencils, highlighters, felt pens

## Lesson Plan 2: What needs to be done to look after our oceans?

Key question	Activity	Timing
<b>What needs to be done to look after our oceans?</b>	<ul style="list-style-type: none"><li>Ask students to read the 'The Solution' section of the SuperKind website. Remind students that they do not need to watch the video at this point.</li></ul>	<i>10 min</i>
	<ul style="list-style-type: none"><li>Ask students to close the SuperKind web page and use the interactive whiteboard to watch the video on the MSC Blue Tick.</li></ul>	<i>1 min</i>
	<ul style="list-style-type: none"><li>Ask students to complete Worksheet 1 ('The solutions to protect life below water') as best they can. Tell them to answer as much as they can from memory in the first 5 minutes. They will then have a further 5 minutes to reference the website again.</li></ul>	<i>5 min</i>
	<ul style="list-style-type: none"><li>After the initial 5 minutes, allow students to look at the web page again to complete any remaining parts that they were unable to complete from memory.</li></ul>	<i>5 min</i>
	<ul style="list-style-type: none"><li>Mark the worksheet as a class, addressing any misconceptions students may have had.</li></ul>	<i>5 min</i>

### Resources and materials:

- SuperKind website – 'Life Below Water', 'The Solution'
- Interactive whiteboard, computers, tablets, or printouts to display website
- Worksheet 1
- Pens/Pencils

## Lesson Plan 3: How can we look after our oceans?

Key question	Activity	Timing
<p><b>How can we look after our oceans?</b></p>	<ul style="list-style-type: none"> <li>• Read students the stories of Molly Steer and Callum Isted (found on the ‘Inspiration’ page), and how they have inspired so many schools to stop using plastic straws and bottles. If you have time, show students the videos on each of these pages.</li> </ul>	<p><i>15 min + optional 7 min if both videos are presented</i></p>
	<ul style="list-style-type: none"> <li>• Brief students on the task – they will be making a presentation to the head of the school asking them to consider eliminating single use plastics in school. These could include straws, plastic cups, plastic bottles, or plastic cutlery.</li> </ul>	<p><i>5 min</i></p>
	<ul style="list-style-type: none"> <li>• Explain that the presentation will need to cover:               <ul style="list-style-type: none"> <li>- A welcome message, thanking them for their time and explaining briefly why you want to speak to them.</li> <li>- What are single use plastics and where are they used in your school.</li> <li>- Why we need to stop using single use plastics and what effect single use plastics are having.</li> <li>- A synopsis of Molly and Callum’s story (to show that it is possible for schools to make big changes).</li> <li>- A suggestion for alternative products that can be used (e.g. aluminium reusable bottles).</li> <li>- A concluding thank you message, re-iterating the call to action and offering to answer any questions.</li> </ul> </li> </ul>	<p><i>5 min</i></p>
	<ul style="list-style-type: none"> <li>• Split the class into 6 groups and assign each group one of the points that needs to be covered (listed above). Specify that each group should talk for no more than 2 minutes. If your class size is large (and groups are therefore large) you could offer some guidance on responsibilities within groups. These could include: making a PowerPoint slide, writing the script, presenting the script, time keeping the rehearsals, etc.</li> <li>• Invite the head teacher so that students can present their presentation.</li> </ul>	<p><i>20 min</i></p> <p><i>15 min</i></p>

## Resources and materials:

- SuperKind website – ‘Life Below Water’, ‘Take Action’
- SuperKind website – ‘Molly Steer’
- SuperKind website – ‘Callum Isted’
- SuperKind website – ‘Make a Poster’
- SuperKind website – ‘Make a Speech’
- Interactive whiteboard, computers, tablets, or printouts to display website
- A3 sheets of paper
- Pens, pencils, highlighters, felt pens

# Life Below Water: Lesson Plan Resources

**Worksheet 1** – The Solutions to Protect Life Below Water