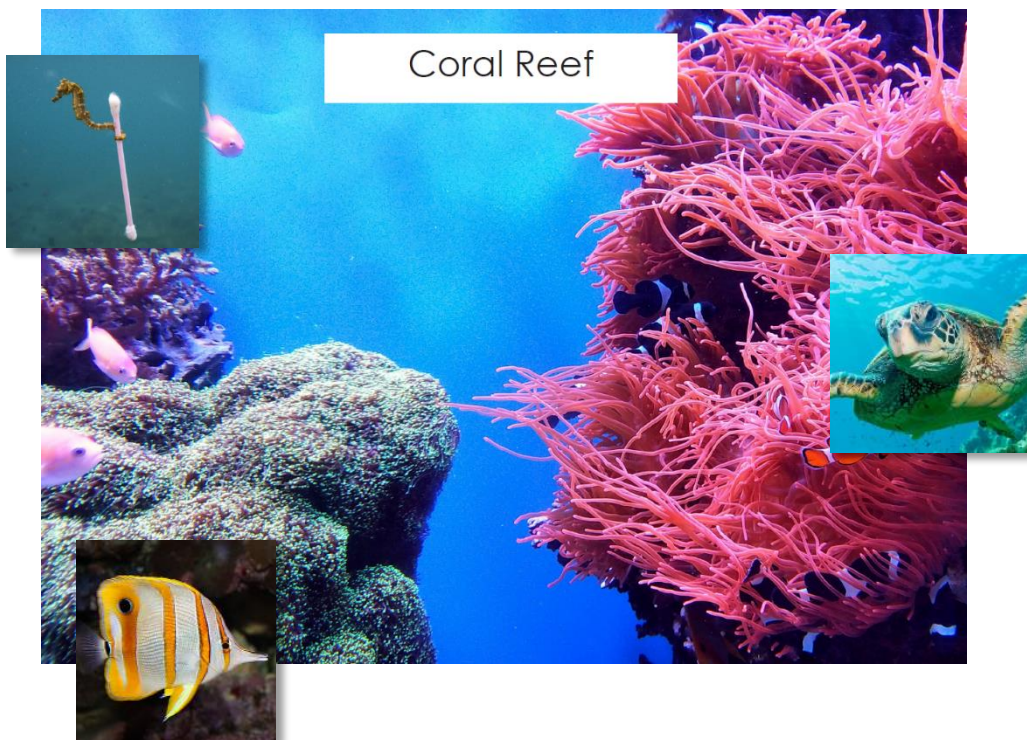


The Plastics and Sustainability team

School Resources Pack: Key Stage One (Upper)

Together, we can make plastic pollution a thing of the past



Welcome

This pack contains the instructions for delivering 1-1.5 hour workshops to primary school children about plastic that are in line with the national curriculum. There are four sessions aimed at different age groups; Key stage (KS) 1 lower, KS1 upper, KS2 lower and KS2 upper. They are designed so that the same children could receive all four sessions throughout their time at primary school but also work separately. For delivery each session has a PowerPoint, worksheets and activities.

When delivering a session be as engaging as possible, the aim of these sessions is to enthuse and educate children around the issues of plastic pollution.

Be enthusiastic, be kind and have fun!

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Key Stage One (Upper)

What to Expect

Children in KS1 (Upper) will be aged 6-7 and in their third year at primary school. They will be better at sitting still than earlier years but still try to keep talk brief between activities. Avoid using long or technical words, basic scientific words can be introduced, keep language simple and make sure to read out everything that is written down.

Teachers Top Tips

- Spend no more than 10 minutes with the children sat on the carpet
- Have the resources laid out ready
- Make the session as interactive as possible
- Let the children know what is expected of them
- Check they understand what they need to do before you send them off

National Curriculum

According to the national curriculum there are certain skills and things that should be learnt before the end of each Key Stage. For upper Key Stage 1 some of these skills are:

- Identify how animals are suited to habitats and how this meets an animal's needs
- Draw and describe a basic food chain
- Understand less familiar habitats
- Know the basic needs for survival
- Understand that different materials can be used for the same thing

Learning Objectives

1. Describe what a habitat is
2. Explain some of the problems that plastic can cause in the environment

Resources Required for Workshop

For the workshop resources have been produced to aid you in delivering the session. For the upper KS1 workshop the following things are required:

- 6x Animal habitats (there are 3 different habitats)*
- 6x Sea Creatures cards*
- 30x Pledge cards*
- 6x Word Banks*
- PowerPoint presentation

Ask the school to provide:

- One mini white board per child
- A4 paper

*these resources require printing and cutting out before the session. Please reuse resources where possible, items such as the cards can be reused by many groups. (All numbers given are based on a class of 30, more worksheets, pledge cards and stickers will be required for a bigger class as the children need 1 each).

Word Bank

A word bank provides the key words used throughout the workshop for the class, these should be printed out and placed on each table to help facilitate the learning and spelling of new vocabulary. Some words may already be known and some may be new.

Activity Instructions

Activity 1: Starter - Animal Habitats

Time: 15 minutes

PowerPoint slides: 3-7

The habitats used for this activity are; deep sea, rock pool and coral reef. This is to get the children thinking about less familiar habitats rather than just their local environment. Before starting the activity make sure to explain what a habitat is, more detail is covered in the slides.

- Split the class into groups of 5 or 6
- Hand out all three habitats and the sea creature cards to each group
- Ask them to place the animals in the correct habitat (encourage discussion)
- Bring the class back together to go over the answers
- For each habitat get the children to hold up the animals for each habitat before revealing the answers
- For each habitat ask the class what they think it might be like there

Sea Creatures

For reference only, names of the sea creatures included in the animal habitat activity for children who are curious to know what they are called.



© David Shale

Vampire Squid



© MBARI

Sea Pig



© Malta National Aquarium

Emperor Angel Fish



© Gary Hughes

Giant Sea Cucumber



© Rebbikorf Foundation

Angler Fish



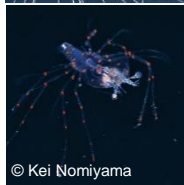
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Blue Tang



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Spiny Crab



© Kei Nomiyama

Crab Larvae



© divetheworld

Manta Ray



© MBARI

Barrel-eye Fish



© NPS

Blue Starfish



© fishkeepingadvice

Butterfly Fish



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Big Red Jellyfish



© Maui ocean center

Black Tipped Reef Shark



© Omaha zoo aquarium

Green Turtle



© Lennart Tange

Bluemoon Jellyfish



© Laura Dinraths

Lionfish



© National Geographic

Nudibranch



© Dianne Bray

Goblin Shark



© National Geographic

Porcupine Pufferfish



© Ritiks

Clown Fish



© the times

Peraphilla Jellyfish



© O Phia

Flamboyant Cuttlefish



© Pooleparklife

Sand Goby



© A. Ffifis

Yeti Crab



© Monterey Bay Aquarium

Zebra Moray Eel



© Geome Crall

Mantis Shrimp



Beadlet
Anemone



Mussel



Barnacle



Hermit Crab



Blenny



Common
Shore Crab



Limpet



Common
Starfish



Prawn

Activity 2: Main 1 – All the way to the ocean

Time: 15 minutes

PowerPoint slides: 8-9

All the way to the ocean is a 12 minutes video showing what happens to plastic that is dropped on the street – it ends up in the ocean. After showing the video there are some follow up questions for the class:

- Hands up if they have ever littered (accidentally or on purpose)?
- How do they feel about littering now?
- What problems do they think litter could cause in the environment?
- Follow up with the short animation of the sea creature waiting room
- Ask the class to discuss what they have seen for 1 minute and then feedback to the class

Activity 3: Main 2 – Poster Design

Time: 15 minutes

PowerPoint slides: 10

Hand out A4 paper and ask the class to make a poster that shows either:

- What happens when plastic is dropped on the street
- What happens to plastic when it reaches the ocean

These posters can be displayed around the school or sent to the Environment Agency Plastics and Sustainability team. It would be great if you could try and get some of the best posters displayed in the local area. For example on a recycling truck, bins or at an aquarium.

Activity 4: Plenary 1 - Alternatives

Time: 5 minutes

PowerPoint slides: 11-14

This activity starts by demonstrating all the good uses of plastic, it's important to remember that not all plastic is bad, it is just the way that we use it. Particularly single-use plastic. The alternatives slides will demonstrate how different materials can be used for the same thing; plastic does not always need to be the first choice. Show each image of the item made from plastic first and ask the class (hands up) what it could be made from instead.

Activity 5: Plenary 2 - Pledge Cards

Time: 10 minutes

PowerPoint slides: 15-16

Towards the end of the session get the class thinking about what they could do to reduce the amount of plastic that they use. This could be something at home, school or in a club they belong to. Get all the children to write this on a pledge card. A writing frame has been provided to aid the class in making their pledges. Ask if any children would like to share their pledge with the class

PowerPoint Presentation

The presentation included contains notes on each slide to help you deliver it, these are a guidance and you can add in as much or as little as you like. You may want to add in a slide after the title slide explaining a bit about what your job is. The timings for each activity are also a suggestion, some groups may work quicker than others, so you can tailor this to each individual group. If you are running out of time you may want to remove the colour/drawing activity from the round-robin and leave the sheet behind for them.

There will be at least one other adult in the room with you (the teacher) and probably a teaching assistant. You can use them to help with activities and checking that the children understand what you expect of them. You could also bring a colleague with you to help with delivery.

Importantly: Enjoy the experience!

If you have any questions about any of the schools resource packs contact us. We would also love to see pictures of the workshops being used and the pledges made. Send any queries or images to plasticsandsustainability@environment-agency.gov.uk and send your pledges to; the Plastics and Sustainability Team, Manley House, Kestrel Way, Exeter, EX2 7LQ.