



## Marine Protected Area Activity Instructions

This Activity will reinforce learning from the Sea Deep education packs session 4, Shark Conservation. It will highlight the benefits of the marine conservation tool- Marine Protected Areas.

You will need:

- Cut out Illustrations from the Resources sheet
- A3 paper
- MPA PowerPoint presentation
- One marker per group

### Instructions-

- 1) Place students into groups of 5/6
- 2) Cut out/ have students cut out activity illustrations (fish, sharks, skates).
- 3) Hand out the resources accompanying this activity- A3 Maps, fish, sharks and Skates. Each group should have 1 map, 20 fish with a mixture of values, 10 sharks and 8 skate.
- 4) Hand out activity answer sheets. One per student.
- 5) Set up the accompanying PowerPoint to work through this activity with your students.

### PowerPoint notes-

**Slide 2:** Get your students to set up their maps as shown on the PowerPoint.

**Slide 3:** Explain the role your students will play. They are fishers (notes on PowerPoint).

**Slide 4:** Explain that each fish species is worth a different price. Some will earn you more money than others.

**Slide 5:** Explain your role as a fisheries slide (notes on PowerPoint).

**Slide 6:** Explain that they are now going to go fishing! Shout go when ready to allow the students to catch as many fish each as they can in 5 seconds.

**Slide 7:** Ask the questions on the PowerPoint and get the students to fill in the answers on their answer activity sheet.

**Slide 8:** The maps should now have little to no fish. Explain that the students are going to go fishing again! Shout go when ready.

**Slide 9:** Ask the questions on the PowerPoint and get the students to fill in the answers on their answer activity sheet.

**Slide 10:** Overfishing- Read notes on PowerPoint, ensuring the class have an understanding of overfishing.

**Slide 11:** Round 2- Get your students to set up their maps as shown on the PowerPoint. Ensure sharks are spread throughout the map with the fish and Skates are together in one area.

**Slide 12:** Read the instructions from the PowerPoint.

**Slide 13:** Explain that they are now going to go fishing! Shout go when ready to allow the students to catch as many fish each as they can in 5 seconds.

**Slide 14:** Ask the questions on the PowerPoint and get the students to fill in the answers on their answer activity sheet.

**Slide 15:** Bycatch- Read notes on PowerPoint, ensuring the class have an understanding of bycatch.

**Slide 16:** Ask the question on the PowerPoint and ask the class to tell you why sharks & skates are important in our waters.

**Slide 17:** Ask the question on the PowerPoint. Correct answer will include fishing regulations, species protection legislation and MPA's.

**Slide 18:** Round 3- Get your students to set up their maps as shown on the PowerPoint. Ensure sharks are spread throughout the map with the fish and Skates are together in one area.

**Slide 19:** Ask students to draw a 'Safe Zone' for the sharks and skates. They cannot move the position of these species on the board. Ask them where they think the best place to draw this zone would be? (the correct area would be around the skates that are together in one area but students do not need necessarily need to draw it around this site, this will be up to their best judgement). Then read Round 3 instructions from the PowerPoint.

**Slide 20:** Explain that they are now going to go fishing! Shout go when ready to allow the students to catch as many fish each as they can in 5 seconds.

**Slide 21:** Ask the questions on the PowerPoint and get the students to fill in the answers on their answer activity sheet.

**Slide 22:** Read the notes on the PowerPoint, highlighting how MPA's can be beneficial for species that live in one area.

**Slide 23:** Ask the question on the PowerPoint. Some possible answers may include participating in egg case surveys and eating sustainably caught fish.