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EXPLORERS TABLE QUIZ ABOUT THE SEASHORE, MARINE AND MUCH MORE...

Aim:

After learning all about the seashore and other marine related lessons evaluate the students by having a table quiz. The following table quiz can be used as a guide highlighting facts about the marine environment and some of the animals that live there.

Having a table quiz will highlight the areas about the marine that students have learned and potential areas that need to be developed in a fun environment.

Materials:

- See Explorer lesson plans, activities and worksheets for information about the marine and the seashore.
- Paper
- Pencils / Pens
- Questions: Picture Round – Student Copies
- Questions & Answers

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Explorers Lesson Plan: Seashore and Marine Table Quiz

Activity:

Step 1. Explain to the class that they are going to have a table quiz about everything they have learned about the seashore and marine. There will be XXX number of rounds (select the rounds from below or develop new rounds suitable for the class). Each round will have 10 questions. Some of the questions will be multi choice, some will be identifying a picture and some will need the answer given.

Step 2. Split the class up into teams (i.e. three to four students in each team). Encourage the students to come up with their own team name. Give each team a sheet of paper for writing their answers on. Ask the students to write the round number at the top of the page and the question number along the side.

Step 3. Explain that when you call a question out, the students should work as a team to select the correct answer. When they are all happy with the answer they are to write it down on the answer sheet. Remind the students that a time limit to answer each question will be given (the teacher is to use their discretion on the amount of time given depending on how the students are getting on with answering the questions).

Step 4. After the questions have all been read out and the picture rounds have been answered, collect or swap the answer sheets with other teams to mark. Give out the correct answers and establish the winning team.

Outcome:

Students should develop

- an understanding and knowledge about the sea shore and marine environment.
- their ability to work in a team environment



Explorers Lesson Plan: Seashore and Marine Table Quiz

Round 1: True or False Questions / Answers (Teachers copy)

| Question: True or False? | Answer |
|---|---|
| 1 Ireland is an Island? | True: Ireland is surrounded by water |
| 2 The Atlantic Ocean is the largest ocean on the earth? | False: the Pacific Ocean is the largest ocean on the planet |
| 3 There are no sharks in Irish waters? | False: There are lots of different sharks living in Irish waters including dogfish, spur dogs, smooth hounds, tope, blue sharks, thresher sharks, basking sharks. |
| 4 Starfish like to eat mussels? | True, plus other bivalves, which are shellfish with 2 halves, such as mussels, cockles and clams. |
| 5 Whales and Dolphins are types of fish? | False: Whales and Dolphins are marine mammals. |
| 6 Blue whales are the largest animal on the planet? | True. A blue whale can grow up to 33m or over 100 ft in length. |
| 7 Gobies and Blennies are types of shellfish? | False: Blennies and Gobies are types of fish that can be found on the seashore |
| 8 The Deepest place in the oceans can be found in the Atlantic Ocean? | False. The Marianna trench is the deepest point on the planet (approximately 10,900 m or 35,800 ft deep) and it is located in the Pacific Ocean. |
| 9 All fish have gills to breath? | True |
| 10 The Oceans contain over 90% of all the water on earth? | True |

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Explorers Lesson Plan: Seashore and Marine Table Quiz



Round 2: Picture Round (Student copy)

Can you name the animals?



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Explorers Lesson Plan: Seashore and Marine Table Quiz

Round 2: Picture Round / Answers (Teachers Copy)

Can you name the animals?

| | |
|-------------------------|---------------------------|
| 1. Sea Anemone | 6. 2-spotted Goby |
| 2. Jellyfish | 7. Hermit Crab |
| 3. Prawn | 8. Mussels |
| 4. Butterfish or Gunnel | 9. Tompot Blenny / Blenny |
| 5. Starfish | 10. Flatfish |

Round 3: Marine Questions / Answers (Teachers Copy)

| Question | Answer |
|--|--|
| 1 How many legs does a common starfish usually have? | 5, but starfish can re grow limbs, so you might spot one with one short leg. |
| 2 What do fish use to breathe? | Gills |
| 3 What types of water is found in Ireland's lakes, rivers and streams? | Freshwater |
| 4 Name 2 types of shellfish that you might find on the Irish seashore? | Periwinkle, topshell, clams, cockles, mussels, oysters, razor shells, dogwhelk, limpet, saddle oyster. |
| 5 What is a mermaid's purse? | It's an egg case of a shark or ray or skate. |
| 6 How many legs does a crab have? | Ten or 5 pairs. The first pair is modified into pinchers or claws. |
| 7 What causes the tide to go in and out every day? | The gravitational pull between the moon, sun and the earth |
| 8 How many times does the tide go in and out every day? | Twice |
| 9 How much of all the water on the planet is Freshwater? | Approximately 3% |
| 10 What is an invertebrate? | It is an animal with no backbone |

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Explorers Lesson Plan: Seashore and Marine Table Quiz

Round 4: Picture Round (Student Copy)

Can you name the animals, seaweeds and other items on the beach?



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Explorers Lesson Plan: Seashore and Marine Table Quiz

Round 4: Picture Round Answers (Teachers Copy)

Can you name the animals, seaweeds and other items on the beach?

| | |
|--------------------|------------------|
| 1. Dogwhelk | 6. Bladder wrack |
| 2. Dogwhelk eggs | 7. Chiton |
| 3. Lugworm deposit | 8. Grey Seal |
| 4. Knotted wrack | 9. Thong weed |
| 5. Limpet | 10. Barnacles |

Round 5: Mix of Tricks Questions / Answers (Teachers Copy)

| Question: | Answer |
|---|-----------------------|
| 1 The Real Map of Ireland has over 220 million acres of marine resource | True |
| 2 The Dutch first made claim to the area of sea around land in the 1700's based on the concept of the three nautical mile coastal limit. This was based on the distance of firing an item out to sea from land. Was this: a) a person b) a clog c) a cannon ball | c) cannon ball |
| 3 An Exclusive Economic Zone is where countries can claim areas of sea that are: a) 500 nautical miles b) 300 nautical miles c) 200 nautical miles | c) 200 |
| 4 In the 1800's to measure the depth of shallow waters, boatmen used a sounding line containing Fathom points. How many feet are measured in a Fathom. Now days the Marine Institute and other agencies use Multibeam echo sounders and LiDAR to find out what lies beneath the sea. | Six feet |
| 5 How deep is the Rockall Trough | True - 3000 metres |
| 7 What was recently filmed using the Marine Institute's ROV around the Porcupine Bank | Cold water Coral |
| 8 What famous British Ocean Liner was torpedoed and sunk by the U-Boat U20 in May 1915 | Lusitania |
| 9 What ocean is included in the Real Map of Ireland a) Pacific ocean b) Atlantic Ocean c) Indian Ocean | Atlantic |
| 10 Why is it important to map the seabed a) To learn about potential Food Resources b) Look for renewable resources for energy c) To discover and develop biological products for medicines and foods d) all of these | All of these |