

The Real Map of Ireland Lesson Plans

Lesson plan 7:

The Real Map of Ireland – Learning about the sea and its terrain

Aim / Description:

This exercise can be used to re-cap on the lessons learned about the Real Map of Ireland, its seabed terrain and other facts about the ocean.

Materials:

Teachers will need

- Lesson plan 7 - Learning about the sea and its terrain
- Fact sheet

Students will need

- Worksheet 7- Learning about the sea and its terrain - 'True or False' Questions

Lesson in action:

- Complete previous lessons having discussed facts about the sea and the Real Map of Ireland.
- Present students with Worksheet 7 – Learning about the sea and its terrain - True / False Questions.
- Encourage students to discuss the questions to see if they can remember the reason why the answer may be true or false.
- When the worksheet is complete, go through the answers giving an explanation for each question.

Outcome:

- Students learn information about the underwater terrain and the ocean.
- Students develop their geographical investigational skills
 - Questioning
 - Investigating
 - Analysing
 - Recording and communicating



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The Real Map of Ireland - Learning about the seabed terrain True or False Answers

1. Ireland has a 220 million acre marine territory TRUE
2. The seabed terrain is flat FALSE
The ocean floor is similar to the land we live on. It too has mountains, volcanoes, trenches, ridges which is all covered by sea. (See hand out of the sea bed terrain.)
3. Fish only live in the areas where there is light FALSE
Depending on the species of fish they can live from the top to the bottom layers of the ocean. For example Mackerel live on the top layers of the sea and Whiting live at the bottom. Some fish such as Hake start their life near the top of the water and move down near the bottom as they get older.
4. The bottom of the ocean is intensely cold TRUE
5. The Gulf Stream affects the temperature on land TRUE
6. The bottom of the ocean has no life FALSE
Many different species live at the bottom of the sea.
7. The seabed is divided up into three areas TRUE
There are three different areas, the continental shelf, continental slope and the Abyss.
8. There are no volcanoes at sea FALSE
90% of volcanic activity occurs under water
9. Oceans do not move FALSE
Oceans are constantly moving with tides and currents
10. Oceanic ridges can form islands TRUE
11. The Continental Slope is cut up by canyons TRUE
12. The Mariana trench is in the Pacific TRUE
13. The mid ocean Ridge is the shortest mountain range on earth FALSE
Earth's longest mountain range is the mid ocean Ridge more than 50,000 km in length.
14. 97% of the earth's water is saltwater TRUE
15. The largest animal on earth is an elephant FALSE
The largest animal on earth is the blue whale



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16. The swordfish and the marlin are the slowest fish in the ocean FALSE
The swordfish and the marlin are the fastest fish in the ocean reaching speeds of up to 121 kmph in quick bursts.
17. The Porcupine Bank can be found on the Real Map of Ireland TRUE
18. The Abyss has lots of hills and trees FALSE
19. Feni Ridge is named after the ancient Irish people (*féne*) TRUE
20. The Real Map of Ireland extends out across the Atlantic Ocean and includes parts of the Irish and Celtic Sea TRUE

