

# MARINE GEOSCIENCE WITH PROF BRAM MURTON

## TALKING POINTS

1. How much of our planet is covered by ocean? (See *What is Marine Geoscience*)
2. Which three materials is Bram's team interested in? (See the first part of the article)
3. What are some of the things the three materials are used for? (See *What are these materials used for?*)
4. Name some of the technological challenges to deep-sea mining (See *How and why do researchers mine under the sea?*)
5. In what ways is the ocean a hostile and extreme environment? (See *What are the main challenges or hurdles in this field of research at the moment?*)
6. What percentage of the seafloor has been explored? (See *What is it like to be a geoscientist?*)
7. From which country in central Africa does 70% of the world's cobalt currently come from? (See *What are these materials used for?*)

## ACTIVITIES YOU CAN DO AT SCHOOL, COLLEGE OR AT HOME

- Check out the adventures of Boaty McBoatface, an autonomous underwater vehicle:  
<https://noc.ac.uk/education/educational-resources/boaty-mcboatface>
  - Find out about open days and visits to the National Oceanographic Centre: <https://noc.ac.uk/education/educational-resources/visits-talks>
  - Take a look at The Geological Society's website ([www.geolsoc.org.uk/](http://www.geolsoc.org.uk/)) and perform the following activities:
1. Click on the career pathways area, click on the characters and use the arrows to explore various career pathways
  2. Explore the online resources on geology, from volcanoes to flooding: [www.geolsoc.org.uk/Geology-Career-Pathways/What-is-Geology/So-youre-interested-in-the-Earth](http://www.geolsoc.org.uk/Geology-Career-Pathways/What-is-Geology/So-youre-interested-in-the-Earth)
  3. Watch some public lectures that have been delivered to audiences over the past few years: [www.geolsoc.org.uk/Events/Past-Meeting-Resources](http://www.geolsoc.org.uk/Events/Past-Meeting-Resources)

