

MARINE BIOLOGY WITH SARAH MCANULTY

TALKING POINTS:

- 1) What is symbiosis? (See paragraph 1, p1)
- 2) What advantage does camouflage offer to animals? Discuss this question using the Hawaiian bobtail squid as an example. (See How does the camouflaging system work? p1)
- 3) How does the squid collect *V. fischeri* and yet reject other bacteria? (See How does the squid seek out and collect *V. fischeri*? p1)
- 4) Discuss what the human immune system achieves and how Sarah's research could benefit humans in the future. (See How can this knowledge benefit humans? p2)
- 5) How do you become a marine biologist? (See Opportunities in marine biology, p2)
- 6) From where did Sarah get inspiration to be a marine biologist? (See Who or what inspired you to follow a career in marine biology? p3)
- 7) Discuss the breakdown between scientists and the public. (See How did you come up with the idea? p3)
- 8) If you could be involved in Skype a Scientist, what field of science would you want to learn about? (See Skype a Scientist, p4)

ACTIVITIES YOU CAN DO AT SCHOOL, COLLEGE OR HOME

SOME SIMPLE MARINE BIOLOGY EXPERIMENTS

Take a walk to your local waterway or area of coastline (be careful near the water). Create a diary entry for your trip and document what animals you saw in and around the water (including notes and drawings).

Student water testing kits – if you have access to them at school or wish to purchase one – are a great way to test your local waterways. You could relate the results of your experiments to the types of animals and animal behaviours you observe in those areas.

SKYPE A SCIENTIST – THE OTHER SIDE OF THE COIN

Pick a science topic you know a bit about (or read a recent science-related article). Now have a friend, family member or classmate interview you and ask you questions about that topic. You'll soon get an idea of what it's like for the scientist involved in Skype a Scientist!

BOOK IN A SKYPE A SCIENTIST SESSION

There are over 2,000 scientists registered with Skype a Scientist, who are keen to share their science stories with you. Simply visit the website at www.skypeascientist.com to book in a Skype conversation with a scientist of your choice. Bear in mind, though, there needs to be a minimum of seven people in your group.