

Coral Reef

Unit Study for Grades K-12

Created by Michelle Morgan from anmgameschool.com



Books

How to Use This Study

This unit study contains a list of resources and activities for you to use in your studies. Choose those that will best suit your students, time, and learning environment.

This PDF does contain links, but not affiliated links. Links are underlined.

Adapting to Other Ages

- This unit is designed to be fun for the whole family to study and learn together!

Social

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Coral Reefs: A Journey Through an Aquatic World Full of Wonder (Grade K-3 book)

By Jason Chin

- During an ordinary visit to the library, a girl pulls a not-so-ordinary book from the shelves. As she turns the pages in this book about coral reefs, the city around her slips away and she finds herself surrounded by the coral cities of the sea and the mysterious plants and animals that live, hunt, and hide there.
- Available on [SCRIBD](https://www.scribd.com)

Dolphin Island (Grade 4 and up book)

By Arthur C. Clarke

- In the near future, a cargo hovership makes an emergency landing in a rural part of the Midwest. An adventurous teenager, Johnny Clinton sneaks on board—only to survive a second crash a few hours later, this time into the Pacific Ocean . . . The crew escapes, but Johnny is left on board, adrift in the wreckage of the ship—until he is rescued by a pod of dolphins, who bring him to a remote island hidden in the heart of Australia's Great Barrier Reef. There, Johnny meets the brilliant and eccentric Professor Kazan, who has dedicated his life to the study of dolphin communication. Here in this new world, Johnny will find his courage tested once again . . .
- Available on [SCRIBD](https://www.scribd.com)

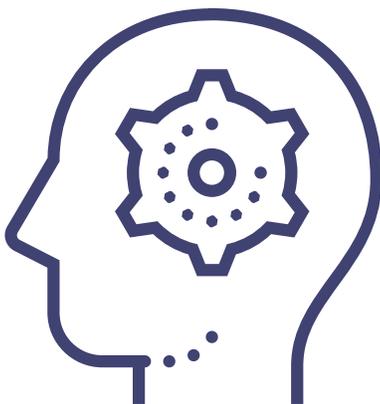


Games

Virtual Reef Diver

Half Monster Games

- Experience the beauty and wonder of the Great Barrier Reef while learning about the dangers this national treasure currently faces, and the solutions data scientists are providing for its defence. Work as a team of citizen scientists on a quest to classify the corals, identify the organisms, and help protect the seventh wonder of the natural world.





Activities

Alternate Game Suggestions

- Reef
- The Great Barrier Reef Card Game
- Smart Games : Coral Reef

Reading

- Choose one book to read aloud together.
- Have open discussions about the books as it is read.

Research Project

- Explore the websites linked to the QR codes in the game (Virtual Reef Diver) or do your own research relating to reef conservation.
- Each student should choose a topic they find interesting to do further research on.
- Prepare an informational presentation about the chosen topic.
- Allow for creativity in the methods the information is shared. It could be in the form of a report, a speech, a video, short story, song... Keep the project fun and informational.

Film Analysis

- Watch Finding Nemo.
- How many different corals and animals can you identify as you watch?
- Keep a log throughout the movie of those you have identified. You can use the log below.

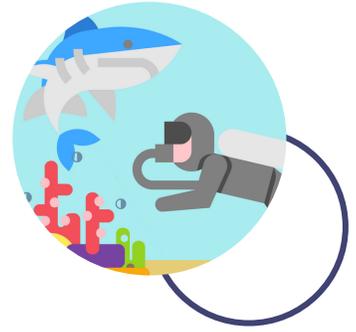


Posts from AnM Gameschool

Learn more about Virtual Reef Diver and find out how you can play it for free by visiting our [board game spotlight post here](#).

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Australia's Great Barrier Reef

By NatGeo HD on YouTube

- Watch the National Geographic documentary.
- Have open discussions about the video.

Diorama Project

- Build a diorama of a coral reef.
- This can be done physically with any recycling/craft supplies you have on hand.
- It could also be done virtually in a video game that allows design, such as Minecraft, Little Big Planet, or Mario Maker.
- Allow for creativity and take a trip to Pinterest if you need some inspiration.

Hands-on Activities

- Mark well known or very large coral reefs on a world map.
- Create art of your favorite corals and reef life. Use your favorite medium to create this.

