



**GRADE 11**

# Marine Science

## SD34 Abbotsford

Marine Science 11 is an introduction into mysterious world below the ocean's surface. Scientific inquiry, measurement, research and problem solving will be used to increase knowledge and understanding of Marine Science. The concepts will focus around the aquatic cycles, structures and processes that generate and sustain life in the ocean.

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**Credits:** 4

**Approval Date:** Dec 2018

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**Hours:** 120

**Trax Code:** YRNR

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## GOALS AND RATIONALE

Develop an understanding of the field of marine science and the contributions marine scientists make in promoting marine health. Develop an understanding of the science of marine ecosystems and the organisms that live within it. Develop an understanding of the impacts that humans have on the global and local marine environments. Develop an understanding of the influence that Indigenous ways and knowledge have on marine science.

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## BIG IDEAS

Water is a dominant feature on the Earth's surface and it is essential for life. The ocean is the world's biggest biome full of life Humans can impact the ocean both positively and negatively Marine Scientists seek to understand and positively impact marine life

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## ADDITIONAL INFORMATION

This course combines inquiry with practical application experiences to enable students to connect to Marine environments and ecosystems. Students will use a variety of digital tools to make connections to people in the marine science field.