

Wyoming Department of Education Required Virtual Education Course Syllabus

Park County School District # 1

Program Name	Park #1 Online	Content Area	Science
Course ID	OL5316	Grade Level	9th-12th
Course Name	FVS Marine Science (S1)	# of Credits	0.5
SCED Code	03005G0.5012	Curriculum Type	Science

COURSE DESCRIPTION

Semester-long course purchased through Florida Virtual and used for our district students. Since the beginning of time, humans have relied on the ocean. But as our planet continues to change over time, human activity has impacted the environment. In the marine science course, students explore the watery depths of our own planet in order to understand just how vital the ocean is to our existence. Throughout the course, students meet marine animals and learn about their interactions with each other and their environment. Students tour the evolving seafloor, where they encounter trenches, volcanoes, and ridges. Along the way, students hang ten as they discover waves, currents, tides, and other physical interactions between the ocean and the land. Finally, students study the impacts of chemical processes on our blue planet and how they affect the water, the atmosphere, and our climate. With a focus on conservation, this course shows students that the ocean connects us all, across distance and even time. Hang on—it's going to be an amazing journey.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
WY.1	Concepts and Processes
SCII.1	Life Systems, Earth and Space Systems, Geochemical Cycles
WY.2	Science as Inquiry
SCII.2	Students use research scientific information and present findings through appropriate means, Students use inquiry to conduct scientific investigations
WY.3	History and Nature of Science in Personal and Social Decisions
SCII.3	Students examine the nature and history of science, Students examine how scientific information is used to make decisions
WY.RST	Reading Standards for Literacy in Science and Technical Subjects
	Key Ideas and Details, Craft and Structure, Integration of Knowledge and Ideas, Range of Reading and Level of Text Complexity
WY.WHST	Writing Standards for Literacy in Science and Technical Subjects
	Text Types and Purposes, Production and Distribution of Writing, Research to Build and Present Knowledge, Range of Writing

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
01.01 Introduction to Marine Science	SCII.2 SCII.3 RST WHST	What is marine science?
01.02 Ocean Exploration	SCII.2 SCII.3 RST WHST	What is ocean exploration?
01.03 Ocean Zones	SCII.1 SCII.2 RST WHST	What are the ocean zones?
01.04 Properties of Water	SCII.1 SCII.2 RST WHST	What are the properties of water?
02.01 Plate Tectonics	SCII.1 SCII.2 SCII.3 RST WHST	What are plate tectonics?
02.02 Ocean Exploration	SCII.1 SCII.2 SCII.3 RST WHST	What is the formation of the ocean?
02.03 Ocean's Impact on Weather	SCII.1 SCII.2 SCII.3 RST WHST	What is the ocean's impact on the weather?
02.05 Ocean's Impact on Climate	SCII.1 SCII.2 SCII.3 RST WHST	What is the ocean's impact on the climate?
02.06 Air and Sea Interactions	SCII.1 SCII.2 RST WHST	What are the interactions of the air and sea?

03.01 Seasonal Changes	SCII.1 SCII.3 WHST	SCII.2 RST	What is involved in the seasonal changes?
03.02 Ocean's Systems	SCII.1 SCII.3 WHST	SCII.2 RST	What are the ocean's systems?
03.03 Waves	SCII.1 SCII.3 WHST	SCII.2 RST	What are waves?
03.05 Highways of the Sea	SCII.1 RST	SCII.2 WHST	What are the highways of the sea?
03.06 Coastal Dynamics	SCII.1 SCII.3 WHST	SCII.2 RST	What are coastal dynamics?
Segment One Collaboration	SCII.1 SCII.3 WHST	SCII.2 RST	