

## OCEAN EXPERT EXCHANGE EDUCATOR RESOURCES

TOPIC - ***Crewed Submersibles for Scientific Exploration***

FEATURED EXPERT - ***Stockton Rush of OceanGate Inc.***

### RELATED LEARNING STANDARDS

#### OCEAN LITERACY PRINCIPLES -

**Principle #6:** The ocean and humans are inextricably interconnected.

**Principle #7:** The ocean is largely unexplored.

**NEXT GENERATION SCIENCE STANDARDS CONNECTION TO NATURE OF SCIENCE** - Science is a Human Endeavor. Technological advances have influenced the progress of science and science has influenced advances in technology. Science and engineering are influenced by society and society is influenced by science and engineering.

#### NEXT GENERATION SUNSHINE STATE STANDARDS -

**SC.35.CS-CC.1.3:** Identify ways that technology can foster teamwork, and collaboration can support problem solving and innovation.

**SC.6.N.2.3:** Recognize that scientists who make contributions to scientific knowledge come from all kinds of backgrounds and possess varied talents, interests, and goods.

**SC.7.N.1.5:** Describe the methods used in the pursuit of a scientific explanation as seen in different fields of science such as biology, geology, and physics.

**SC.8.E.5.10:** Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.

**SC.912.N.1.7:** Recognize the role of creativity in constructing scientific questions, methods and explanations.

### SUPPLEMENTAL RESOURCES

- Video Short - OceanGate Inc. [OceanGate Submersible Access to the Deep](#) (Grades K-12)
- Reading & Video Shorts - Oceanographic Magazine [Beneath the surface of dreams](#) (Middle - High School)
- Reading - OceanGate Inc. [Our Subs](#) and OceanGate Foundation [Subsea Tech](#) (Middle - High School)
- Reading - OceanGate Foundation [Current Initiatives](#) (Middle - High School)
- Video Short - OceanGate Inc. [Titan Dives to 3,760 Meters with 4 People Inside](#) (Grades K-12)
- 360 Videos - OceanGate Inc. [360 submersible dive videos YouTube playlist](#) (Grades K-12)
- Video Short - OceanGate Expeditions [Titanic Expedition 2022](#) (Grades K-12)
- Reading - GeekWire [OceanGate plans enviro. DNA survey during...summer's dives to Titanic...](#) (High School)
- Webinar - OceanGate Expeditions [2021 Expedition Recap & 2022 Expedition Launch](#) (Middle - High School)
- Lesson - NOAA Ocean Exploration & Research [Return to Titanic Expedition - Looking for Clues](#) (Grades 5-6)
- Lesson - NOAA Ocean Explorer [Come On Down!](#) (Grades 7-8)
- Lesson - NOAA Ocean Explorer [Submersible Designer](#) (Grades 9-12)
- Lesson - Questacon Smart Skills Initiative [Simple Submersibles](#) (Middle - High School)
- Resource Library - NOAA, Ocean Explor. Trust, Schmidt Ocean [Deep Ocean Education Project](#) (Grades K-12)
- Resource Library - NOAA National Marine Sanctuaries [Shipwrecks Resource Collection](#) (Grades K-12)
- Resource Library - Encounter Edu, AXA Ocean Education, Nekton [Submarine STEM](#) (Grades 2-7)
- Resource Library - NOAA Ocean Exploration [Learning Ocean Science thru Ocean Exploration](#) (Grades 6-12)