



» Course Overview

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining and war in space. The course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.

» Course Outline by Module

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|----------|--------------------------------------------|-----------|--------------------------|
| Module 1 | Introduction to Space Travel | Module 6 | Asteroid Mining |
| Module 2 | Apollo and Shuttles | Module 7 | Solar System Exploration |
| Module 3 | International Space Station and Satellites | Module 8 | Robots and War in Space |
| Module 4 | Moon Base | Module 9 | Spacecraft Technology |
| Module 5 | Mars Colony | Module 10 | Interstellar Travel |

» Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

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