

» 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 Preview Video:** <https://www.pointfuleducation.com/space-travel-preview-video>

» Course Outline by Module

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.

Course Structure



Instruction
50%



Projects
7%



Reflections
23%



Concept Checks
6%



Exams
8%



Written Assignments
7%