Course Overview

This course introduces students to the newest and most cutting-edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros and cons of each mode, and explore potential career paths in these emerging fields.

Course Preview Video: https://www.pointfuleducation.com/transportation-preview-video

Course Outline by Module

<table>
<thead>
<tr>
<th>Module 1</th>
<th>Module 2</th>
<th>Module 3</th>
<th>Module 4</th>
<th>Module 5</th>
<th>Module 6</th>
<th>Module 7</th>
<th>Module 8</th>
<th>Module 9</th>
<th>Module 10</th>
<th>Module 11</th>
<th>Module 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to the Future of Transportation</td>
<td>Flying Cars</td>
<td>Driverless Car Technology</td>
<td>Driverless Cars in Society</td>
<td>Drones</td>
<td>Hyperloop</td>
<td>Jetpacks</td>
<td>Supersonic Jets</td>
<td>Personal Rapid Transit</td>
<td>Supercavitation</td>
<td>Space Travel</td>
<td>Interstellar Travel</td>
</tr>
</tbody>
</table>

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 49%  Projects 7%  Reflections 17%

Concept Checks 13%  Exams 7%  Written Assignments 7%