POINTFUL EDUCATION | Apex Learning®

## 》 Course Overview

This course will provide students with an overview of smart cities. The course will begin by providing a foundational explanation of what constitutes a smart city and why they are beginning to pop up around the globe. With a firm understanding of what a smart city is, the majority of the course will focus on various aspects of them such as energy, transportation, data, infrastructure, mobility, and IOT devices. The course will conclude with an analysis of careers related to smart cities.

## 》 Course Outline by Module

| Module 1 | Introduction to Smart Cities | Module 5 | Smart Infrastructure |
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| Module 2 | Smart Energy | Module 6 | Smart Mobility |
| Module 3 | Smart Transportation | Module 7 | Smart Objects |
| Module 4 | Smart Data | Module 8 | Smart Government |

## 》 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.