

**Land Travel**

**Greatest Human Achievements**

**Grade Levels:**

5-12

**Subject Areas:**

STEM

**Synopsis:**

Animal transportation was not going to make the grade for humans in terms of travel on land. It was too slow and made traveling long distances difficult. In the early 19<sup>th</sup> century, the bicycle was invented and from there humans worked tirelessly to make land travel easier. From the bicycle to trains and railways to the automobile and Henry Ford's Moving Assembly Line, land travel became much easier in the late 19<sup>th</sup> century.

**Learning Objectives:** Students will:

- Consider the importance of land travel
- Recognize the evolution of land travel
- Understand the impact of the automobile

**Vocabulary:**

Penny-Farthing, Safety Bicycle, Puffing Billy, Steam Engine, Railways, Henry Ford, Model T, Moving Assembly Line

**Pre-Viewing Discussion:**

Why would traveling by horse and carriage be inconvenient?

What impact has the automobile had on society?

**Post-Viewing Discussion:**

How much has the bicycle changed over time?

Why were railways the ideal way to travel with the steam engine?

How did cars begin? Who used them? How did Henry Ford change all of that?

Is there a downside to automobiles?

**Further Activities:**

Research competitors of Ford. Record when and how they came into existence.

Explore the creation of the Pacific Railroad.