



America's Greatest History Attraction

## CURRICULUM CONNECTIONS

### Sustainability: Environmental Management and Responsible Manufacturing at the Ford Rouge

(<http://www.thehenryford.org/education/erb/SustainabilityTeacherPacket.pdf>)

High School Teacher Packet. Showcases the Ford Rouge Factory Tour as it explores how environmental sustainability is affected by personal and business decisions.

#### Michigan Science High School Content Expectations

##### **Biology**

- L3.p4A** Recognize that, and describe how, human beings are part of Earth's ecosystems. Note that human activities can deliberately or inadvertently alter the equilibrium in ecosystems.
- B3.4C** Examine the negative impact of human activities.
- B3.4d** Describe the greenhouse effect and list possible causes.
- B3.4e** List the possible causes and consequences of global warming.

##### **Earth Science**

- E2.4A** Describe renewable and nonrenewable sources of energy for human consumption (electricity, fuels), compare their effects on the environment, and include overall costs and benefits.
- E2.4B** Explain how the impact of human activities on the environment (e.g., deforestation, air pollution, coral reef destruction) can be understood through the analysis of interactions between the four Earth systems.
- E4.1C** Explain how water quality in both groundwater and surface systems is impacted by land use decisions.

#### National Science Content Standards

- Earth and space science
- Science and technology
- Science in personal and social perspectives
- History and nature of science