

# Content Outline



## LESSON 1: Building and Moving Careers

DESCRIPTION	This outline serves as an overview of a lesson for students exploring careers in STEM fields. This lesson is intended to prepare high school students for career opportunities in advanced manufacturing, construction, and supply chain and transportation.
TOPICS	<ul style="list-style-type: none"><li>• What building and moving jobs can do</li><li>• Which type of career is right for you</li><li>• Career roles in construction, advanced manufacturing, supply chain, and transportation</li><li>• Roles of a construction team</li><li>• Skills needed for roles in construction, advanced manufacturing, supply chain, and transportation</li><li>• Understanding the supply chain and logistics process</li><li>• Roles of a supply chain and logistics manager</li><li>• Finding career roles</li><li>• Preparing for your career</li><li>• Next steps for career exploration</li></ul>
LEARNING OBJECTIVES	<ul style="list-style-type: none"><li>• Discover careers in Construction, Advanced Manufacturing, and Supply Chain and Transportation that align with student interests, sense of purpose, and impact they want to make on their communities.</li><li>• Describe ways to prepare for a career in Construction, Advanced Manufacturing, and Supply Chain and Transportation.</li></ul>

## LESSON 2: Engineering Careers in Auto Racing

DESCRIPTION	In this lesson, learners will explore the auto racing industry through the International Motor Sports Association (IMSA), examine engineering roles, consider key skills and education, and discover hands-on experiences that prepare them for careers in auto racing.
TOPICS	<ul style="list-style-type: none"><li>• The structure of the auto racing industry</li><li>• Sports car racing</li></ul>

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**LEARNING  
OBJECTIVES**

- Technological innovations in racing
  - Fan engagement
  - Engineering roles in the racing industry
  - Education requirements
  - How to succeed in an engineering career- the problem-solving mindset
  - Non-academic skills
  - How to prepare for an engineering career in auto racing
  - Hands-on experiences that help you prepare
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