

Introduction to Engineering

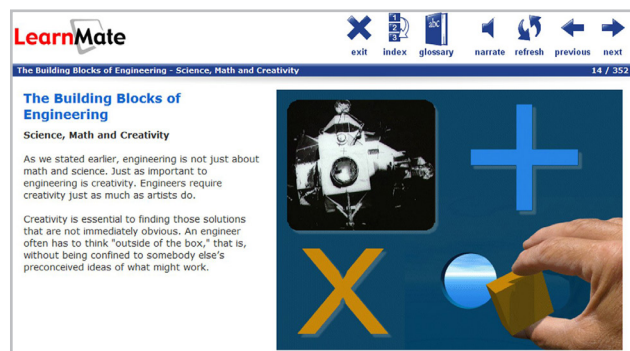
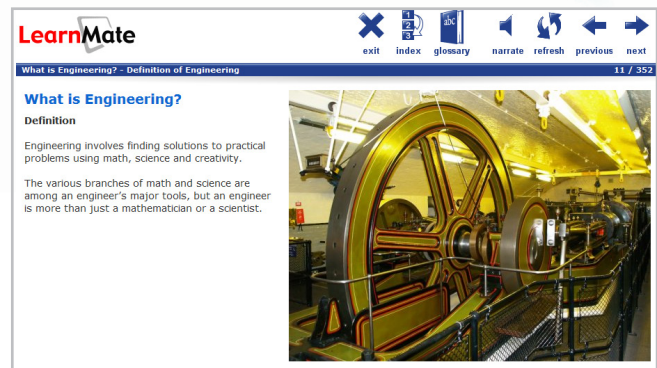
Introduction to Engineering provides students an excellent overview of the field of engineering. Students explore the history of engineering, career choices and the engineering design process. Multilevel hands-on activities involve product design, career seeking and ethics. To conclude the course, a capstone project challenges students to explore engineering.

Course Information

Type	Virtual
Languages	English
Hours of instruction	20

Course Outline

- Introduction to Engineering (Core)
- Course Project
- Engineering Contributions (Activity)
- Engineering in Society (Core)
- Engineering Ethics (Activity)
- Careers in Engineering (Core)
- Career Inquiry (Activity)
- Engineering Approaches to Product Design (Core)
- Engineering Design Tools (Core)
- Paper Tower (Activity)
- Engineering Education Planning (Core)
- Exploring Engineering (Project)

Introduction to STEM Pathways Program

Introduction to STEM Pathways provides an easy-to-implement solution for delivering early engagement and discovery of science, technology, engineering and mathematics topics. Courses feature all-in-one packages with classroom equipment and 45 hours of e-learning content per course. Start with Foundations of STEM, the prerequisite course in the Introduction to STEM Pathways program. You can expand the program with optional courses covering topics like robotics, energy systems and transportation. Students see the connection between STEM and the world around them. Mix and match courses to build a flexible program for STEM exploration.

Introduction to Engineering includes LearnMate®, Intelitek's innovative e-learning platform. Self-paced interactive LearnMate content may be deployed stand-alone or through the robust learning management system (LMS). The LearnMate e-learning suite provides everything needed for the ultimate blended learning experience:

- SCORM-compliant interactive content
- Anytime, anywhere accessibility
- Student and class management
- Grade tracking
- Skill/competency reporting mapped to national academic skill standards

Ordering Information

Curriculum

Introduction to Engineering,
LearnMate course, Virtual 77-3095-0000

Bundles

Foundations of STEM STEM-FOUN-CORE

Contact Us: