



LEARNING MANAGEMENT SYSTEM

LearnMate[®] LMS is a powerful educational tool that delivers curriculum using multiple instructional strategies, providing a responsive and proactive environment for differentiated instruction. Intelitek's e-learning solution is transforming the career and technical education classroom.

LearnMate[®] is an integral part of the Intelitek blended learning approach and is the e-Learning and classroom management component that delivers our library of over 3000 hours of content.

LearnMate[®] automates time-consuming classroom administration, freeing teachers to focus on teaching, and better equipped to recognize and adapt to individual student needs. Classes are easily set up, content is delivered consistently across multiple classes, schoolwide or district-wide.

The LearnMate[®] management system enables real-time assessment of student progress. Progress is tracked in real-time with robust reporting that enables teachers to identify skills gaps, report on outcomes and validate their program.

E-Learning Content - Powered by LearnMate®

DELIVER ROBUST AND RELEVANT EDUCATION IN A FORMAT THAT ENGAGES DIGITAL-NATIVE STUDENTS

Intelitek's e-learning delivers concepts through relevant activities and projects. Our hybrid standards-based curriculum deliver instruction in a format today's digital learners thrive in: blended learning with interactive online delivery, simulations and team-based activities.

PROVIDE AN IMMERSIVE INSTRUCTIONAL EXPERIENCE WITH PROJECT-BASED LEARNING

Project-based learning is an essential learning strategy throughout our content. Using authentic activities, scenarios and projects, Intelitek's e-learning content creates an educational experience that is relevant to students and the jobs they will fill when they graduate. Working in groups with a common goal, students use their imagination and ingenuity to develop individual solutions. Students develop communication, teamwork and leadership skills while learning core principles and relevant skills.

FLEXIBLE CURRICULUM PROVIDES DIFFERENTIATED INSTRUCTION FOR DIVERSE LEARNERS

Multiple instructional strategies enable students with varying knowledge, ability and interests to become active and involved. Exciting scenarios immerse students, reinforce concepts and help connect the educational experience with relevant interests in the world around them.

EMPOWERS TEACHERS TO SUCCEED

Intelitek's curriculum and the step-by-step format provides everything needed for a successful program out-of-the-box. The content includes full support for instructors, including detailed activity instructions, teachers guides, sample solutions and program code. We provide structure to enhance the effectiveness of novice instructors, with flexibility needed by experienced and creative instructors. LearnMate allows teachers to put the focus where it deserves to be: **on student progress**.

CONTENT DELIVERY

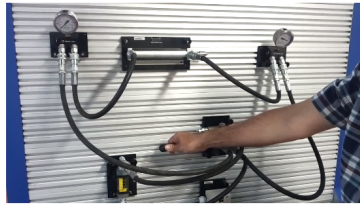
- SCORM (Sharable Content Object Reference Model)-compliant and AICC (Aviation Industry Computer-Based Training Committee)-compliant content
- Advanced LMS
 - Assessments
 - Assignments
 - Multi-lingual support
 - IMS Learning Tools Interoperability (LTI)
 - Certificates
 - Software launches directly from content
 - Social and Collaborative tools
 - Accessible resources for users
 - Task-specific instructions
 - Files for downloading
 - Video demos
 - Glossaries

Activity 9: Increasing System Efficiency

In the previous activity, you built an electro-hydraulic system that could open and close the door of a cargo airplane. In this activity, you will improve the efficiency of a car lift that contains a manually-controlled hydraulic cylinder. You will learn how pressure can build up in a hydraulic circuit, resulting in wasted energy and decreased efficiency.

This activity includes the following topics:

- ✓ Building a Control System for a Car Lift
- ✓ The Inefficient System
- ✓ The Efficient System



Index Glossary

1. Activity 9: Increasing System E...

2. Objectives

3. Building a Control System for A...

4. The Inefficient System

5. Increased Pressure, Increased ...

6. Increased Pressure, Increased ...

7. Question 1

8. Example of an Inefficient System

9. The Bottom Line

10. The Efficient System

11. In this Activity

12. Before You Begin

13. Task: Building a Circuit with L...

14. Question 2

15. Question 3

16. Question 4

17. Question 5

18. Question 6

19. Question 7

20. Question 8

21. Question 9

22. Task: Simulating the Circuit

23. Activity Completed

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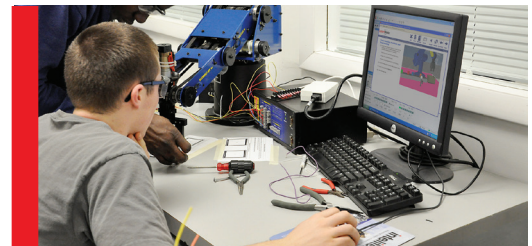


CLASSROOM MANAGEMENT

- Easy Course Administration
- Easy Student Self-enrollment
- Robust Gradebook
- Flexible User Groups
- Outcomes management
- Reports

ASSESSMENT DELIVERY

- Secure assessment environment
- Shuffling of questions and answers
- Multiple question types
- Optional feedback for responses
- Use of all types of media in question stems, responses, and feedback



ENHANCED EXPERIENCE FOR STUDENTS WITH HARDWARE OR SIMULATED LABS

Our e-learning curriculum provides a blended learning ecosystem, combining interactive simulation with world-class hardware. You can deliver both virtual and hardware labs to provide the most engaging learning environment for your students!

Lab courses feature interactive on-line curriculum and robust hardware for the ultimate hybrid learning experience! Curriculum is fully integrated with our lab equipment, including the ability to launch software directly from the content.

LIVE CLASS ADD ON

The Live Class adds the capability to deliver live synchronous instruction and activities to your class:

Allows the teacher to video connect with students through rich interactive content
 The Whiteboard allows to write notes, solve math problems, and draw diagrams.

Intelitek Learning Solutions

Intelitek transforms education across the globe with comprehensive technology learning solutions. Our innovative tools and technologies empower instructors and inspire students to improve the world around them. We understand the changing needs of your career and technology classrooms and design flexible solutions that meet those needs.

With sustainable support and professional development to ensure the continued success of your programs, Intelitek programs deliver the competencies needed for in-demand careers.

At Intelitek we are producing results for students, teachers, nations and economies.