



Leading Project-Based Learning With Technology

ONLINE COURSE SYLLABUS

Course Description

The goal of this course is to increase educators' ability to implement Gold Standard Project-Based Learning (PBL) with technology so that they can engage and empower students through meaningful, academically rigorous learning experiences. The course challenges educators to arrive at their own response to the driving question, "How can I maximize the benefits of Project-Based Learning by effectively integrating digital tools?"

Course Structure

This course consists of five self-paced modules. Each module includes a mix of lessons and activities. Examples of activities include video case studies, background readings, interactive exercises, guided exploration of digital tools, reflection prompts, and self-assessments to check for understanding. The lessons guide participants to build a toolkit of digital resources to support student learning goals and facilitate project management at each stage of PBL.

- **Module 1: Starting Your Journey**
How can you ensure that digital-age PBL results in meaningful learning experiences for your students? Use the Essential Project Design Elements for Gold Standard PBL as your North Star to keep the focus on main course learning, not digital dessert.
- **Module 2: Exploring the PBL Landscape**
In Gold Standard PBL, students build academic knowledge while also developing their competencies as Digital Age Learners. Improve projects by emphasizing key roles that students play, aligned to the ISTE Standards for Students.
- **Module 3: Managing the Project Path**
Before launching a project, anticipate your instructional needs at each phase of the Project Path. Select technology tools to help you manage, assess, and scaffold the learning from start to finish.
- **Module 4: Aligning Learning Goals with Digital Tools**
Continue to build your technology tool kit for PBL by anticipating which tools will help students meet their goals as Digital Age Learners. Encourage student voice and choice with technology options, but keep the focus on learning goals.



- **Module 5: Tying it All Together**

Planning for effective implementation of digital-age PBL doesn't mean you have to be a tech expert. Partner with colleagues to introduce unfamiliar tools and leverage your students' technology fluency as peer coaches. Continue to improve PBL outcomes by building in time for reflection—for yourself as well as for your students.

Course Goals and Outcomes

By the end of this course, you will be prepared to effectively implement Gold Standard PBL to meet the needs of Digital Age Learners. You will be able to select technology tools and online resources to effectively manage PBL and enable students to engage with real-world problems, collaborate with others, and produce products that are meaningful and useful to a wide audience.

Participant Profile

This course is designed for K-12 teachers and instructional coaches, including educators familiar with PBL and looking to integrate technology; educators familiar with technology and looking for an entry point for PBL; and educators who want to learn more about both PBL and tech integration.

ISTE Standards and Competencies

The course is designed and developed around the ISTE Standards for Educators. Specifically, it addresses:

Learner 1a: Set professional learning goals to explore and apply pedagogical approaches made possible by technology and reflect on their effectiveness.

Learner 1b: Pursue professional interests by creating and actively participating in local and global learning networks.

Leader 2b: Advocate for equitable access to educational technology, digital content and learning opportunities to meet the diverse needs of all students.

Facilitator 6a: Foster a culture where students take ownership of their learning goals and outcomes in both independent and group settings.

Facilitator 6b: Manage the use of technology and student learning strategies in digital platforms, virtual environments, hands-on makerspaces or in the field.

In addition, the course content emphasizes alignment with [ISTE Standards for Students](#) as part of the design of Gold Standard PBL.



Module Key Concepts

MODULE 1: STARTING YOUR JOURNEY

- Essential Elements of Gold Standard PBL
- “Digital dessert” projects vs. PBL for Digital Learners

MODULE 2: EXPLORING THE PBL LANDSCAPE

- Success skills in Gold Standard PBL
- ISTE Standards for Students aligned with success skills

MODULE 3: MANAGING THE PROJECT PATH

- Project management in digital PBL
- Instructional decisions along the Project Path

MODULE 4: ALIGNING LEARNING GOALS WITH DIGITAL TOOLS

- Student choice and technology integration
- Final products as evidence of learning

MODULE 5: TYING IT ALL TOGETHER

- Technology implementation strategies for PBL
- Role of reflection in PBL

Completion Criteria

To receive the certificate of completion, you must complete all assessments with a score of 80% or higher on each. Assessments are automatically-graded quizzes that come at the end of each module.

Disclaimers

This course contains examples and resource materials that are provided for participants' convenience and information. The inclusion of any material is not intended to endorse any views expressed, or products or services offered. These materials may contain the views and recommendations of various subject matter experts as well as hypertext links, and websites to information created and maintained by other public and private organizations. The opinions expressed in any of these materials do not necessarily reflect the positions or policies of ISTE. ISTE does not control or guarantee the accuracy, relevance, timeliness, or completeness of any outside information included in these materials.

NOTE: A variety of applications and digital tools are highlighted throughout this course. Highlights are not intended as product endorsements. Most products are available to educators



for free or at minimal cost; some require a user fee or school license. Prior to using any of these products with students, it is imperative that participants check the account requirements for each application against their school/district student data privacy policy to insure the application complies with district policy. In addition, some applications' Terms of Service may require parental permission to be COPPA and FERPA compliant for students younger than 13 years of age.

Content in this course is subject to change at discretion of ISTE or PBLWorks.