

Intel® Teach Elements

Assessment in 21st Century Classrooms

Syllabus

Course Description

Assessment in 21st Century Classrooms is an interactive e-learning experience that offers an in-depth look at assessment that meets the needs of 21st century teaching and learning. In this course, teachers see how assessment strategies can benefit their teaching practices and their students' learning. They learn how to plan, develop, and manage student-centered assessment. They follow three teachers and see how the three teachers are implementing embedded and ongoing assessment methods in their classrooms. The course offers opportunities to apply the assessment concepts with action planning exercises.

Module 1: 21st Century Learning

Module 1 introduces the elements of a 21st century classroom and the skills students need to excel in a changing world. The module explores the role that 21st century skills play in learning, and shows assessment approaches that enhance achievement in a 21st century classroom.

Outcomes:

- Understand the characteristics of 21st century classrooms
- Review 21st century skills and how they are assessed
- Learn how formative and summative assessment are used in 21st century classrooms

Lesson 1: 21st Century Classrooms

Lesson 2: 21st Century Skills in the Classroom

Lesson 3: 21st Century Assessment Practices

Lesson 4: Module Review

Module 2: Assessment Strategies

Module 2 introduces the components of effective assessment strategies for 21st century classrooms. Teachers learn about purposes, methods, and instruments for assessment. The module demonstrates how assessment purposes define assessment practice and how different methods and instruments meet those purposes. Teachers also review the characteristics of effective rubrics and explore rubrics, using the *Assessing Projects* application.

Outcomes:

- Understand the purposes of assessment in 21st century classrooms
- Identify assessment methods and instruments
- Learn characteristics of effective rubrics
- Become familiar with the *Assessing Projects* library

Lesson 1: Assessment Purposes

Lesson 2: Assessment Methods
Lesson 3: Focus on Rubrics
Lesson 4: The Assessing Projects Library
Lesson 5: Module Review

Module 3: Assessment Methods

Module 3 provides a more in-depth look at how different assessment methods can be integrated throughout the learning cycle to enhance teaching and learning. Teachers look at how assessment methods can be used for various purposes as part of regular classroom activities. Self- and peer assessment, student-teacher conferences, and portfolios are examples of effective assessment methods.

Outcomes:

- Understand how assessment is integrated in instructional activities
- Explain the benefits of self- and peer assessment
- Learn how student-teacher conferences enhance assessment
- Explore how portfolios are used to assess learning over time
- Review assessment instruments for different purposes

Lesson 1: Assessment and Instruction
Lesson 2: Self- and Peer Assessment
Lesson 3: Classroom Conferences
Lesson 4: Portfolios
Lesson 5: Assessment Instruments
Lesson 6: Module Review

Module 4: Assessment Development

Module 4 demonstrates how to plan and develop assessments. Teachers are taken through the steps of developing an assessment plan, which includes an Assessment Timeline. They also create assessments to meet standards, 21st century skills, and objectives for a unit or project.

Outcomes:

- Learn how to plan assessment around standards and 21st century skills
- Develop an assessment plan
- Create assessments for a project or unit

Lesson 1: Important Learning Goals
Lesson 2: Assessment Plan
Lesson 3: Assessment Instruments
Lesson 4: Module Review

Module 5: Assessment In Action

Module 5 provides the opportunity for teachers to create resources to support self- and peer assessment; schedule and integrate assessment into existing classroom activities; and develop materials to help manage, track, and grade assessment. Establishing routines and developing supporting resources can help teachers manage assessment activities and data.

Outcomes:

- Learn strategies for students' new roles in assessment
- Create activities and resources to support self-assessment
- Learn how to manage ongoing assessment
- Plan how to use assessment data
- Create a process to use assessments for grading

Lesson 1: Student Roles in Assessment

Lesson 2: Self-Assessment

Lesson 3: Assessment Management

Lesson 4: Use of Assessment Data

Lesson 5: Grading in a 21st Century Classroom

Lesson 6: Module Review

Course Length:

Total hours to complete the course depend on how the course is taken (self-paced or facilitated), the number of optional activities completed, and the delivery method (face-to-face or online.)

1. E-learning: 4-5 hours individual work learning concepts of assessment in interactive tutorials and exercises
2. Action Planning: 8-12 hours of individual work, applying assessment principles to one's own classroom
3. Facilitated Discussions: 5-8 hours of sharing ideas with other teachers and giving feedback on action plans (varies with format, face-to-face or online, and optional exercises)