

Intel® Teach Elements: Introduction to 21st Century Skills

Introduction to 21st Century Skills is an interactive e-learning course that combines content from several different Elements courses to define and give examples of 21st century skills in the classroom. The course focuses on critical thinking, collaboration, and information literacy.

E-learning Content

Elements: Assessment in 21st Century Classrooms

Module 1: 21st Century Learning > Lesson 1: 21st Century Classrooms

Module 1: 21st Century Learning > Lesson 2: 21st Century Skills in the Classroom

Elements: Thinking Critically with Data

Module 1: Information in Society and the Classroom > Lesson 1: Critical Thinking in the Digital Age, Lesson 2: Critical Thinking about Data, and Lesson 3: Data Projects

Elements: Collaboration in the Digital Classroom

Module 1: Collaborative Classrooms > Lesson 1: Collaboration Basics for a Digital World and Lesson 2: Collaboration Planning

Module 4: Collaboration Strategies > Lesson 4: Confident Digital Collaborators

Elements: Project-Based Approaches

Module 5: Guiding Instruction > Lesson 3: Information Literacy

Activity 1: 21st Century Skills

Activity 1 introduces and defines 21st century skills and describes how students and teachers make the most of the 21st century environment.

Outcomes:

- Understand the characteristics of 21st century classrooms
- Review 21st century skills and how they are assessed

Step 1: 21st Century Classrooms

- **E-learning Content:**

Elements: Assessment in 21st Century Classrooms

Module 1: 21st Century Learning > Lesson 1: 21st Century Classrooms

- **Action Plan:**

Activity 1, Step 1

Step 2: 21st Century Skills in the Classroom

- **E-learning Content;**

Elements: Assessment in 21st Century Classrooms

Module 1: 21st Century Learning > Lesson : 21st Century Skills in the Classroom

- **Action Plan:**

Activity 1, Step 2

Activity 2: Critical Thinking

Activity 2 focuses on the 21st century skill of critical thinking, exploring the subskills involved in thinking critically and describing how projects foster critical thinking skills.

Outcomes:

- Understand the importance of thinking critically about information in contemporary society.
- Examine how thinking critically about data spans all subject areas.
- Explore examples of critical thinking with data using the Data Project Process.

Step 1: Thinking Critically in the Classroom

- **E-Learning Content:**

Elements: Thinking Critically with Data

Module 1: Information in Society and the Classroom > Lesson 1: Critical Thinking in the Digital Age and Lesson 2: Critical Thinking about Data

- **Action Plan:**

Activity 2, Step 1

Step 2: Thinking Critically with Projects

- **E-Learning Content:**

Elements: Thinking Critically with Data

Module 1: Information in Society and the Classroom > Lesson 3: Data Projects

- **Action Plan:**

Activity 2, Step 2

Activity 3: Collaboration

Activity 3 describes the importance of collaboration and strategies to encourage successful collaboration in the classroom.

Outcomes:

- Understand why collaboration is an important skill for now and the future
- Become familiar with the Digital Collaboration Framework

- Understand the benefits and challenges of a collaborative classroom
- Become familiar with the traits of collaboration

Step 1: Collaboration Basics

- **E-Learning Content:**

Elements: Collaboration in the Digital Classroom

Module 1: Collaborative Classrooms > Lesson 1: Collaboration Basics for a Digital World

- **Action Plan:**

Activity 3, Step 1

Step 2: Collaboration Planning

- **E-Learning Content:**

Module 1: Collaborative Classrooms > Lesson 2: Collaboration Planning

- **Action Plan:**

Activity 3, Step 2

Activity 4: 21st Century Skills Instruction

In Activity 4, participants focus on strategies for improving students' 21st century skills through instruction and assessment strategies.

Outcomes:

- Integrate instruction on collaboration, self-direction, information literacy, and reflection throughout a project
- Investigate strategies to help students become skilled digital collaborators

Step 1:

- **E-learning Content:**

Module 4: Collaboration Strategies > Lesson 4: Confident Digital Collaborators

- **Action Plan**

Activity 4, Step 1

Step 2:

- **E-learning Content:**

Elements: Project-Based Approaches

Module 5: Guiding Instruction > Lesson 3: Information Literacy

- **Action Plan**

Activity 4, Step 1

Step 3: Collaboration Strategies

- **E-Learning Content:**

Module 4: Collaboration Strategies > Lesson 4: Confident Digital Collaborators

- **Action Plan:**

Activity 4, Step 3

Activity 5: Wrap-Up

- **Action Plan:**

Wrap-up