



# INTRODUCTION TO ISTE STANDARDS FOR STUDENTS ONLINE COURSE SYLLABUS

## Course Description

The goals of this course are to increase awareness of the ISTE Student Standards and Indicators and understand how they can be used to improve teaching and learning. Participants in this course are encouraged to make connections between the indicators, standards, and digital tools or strategies for classroom application as well as reflect on their own professional practice.

The course is divided into nine modules (or sections), each focusing on the following:

- **Introducing the ISTE Standards for Students** - Why use the ISTE Student Standards? How can the Student Standards provide a framework to guide implementation, transform teaching and learning, and support you on your professional learning journey? How can you incorporate digital age teaching and learning experiences at a variety of age bands that unpack the standards and indicators? How can ISTE put students at the center and help you to personalize the journey for students?
- **Empowered Learner** - How can you help students set personal learning goals? Build confidence in their digital learning environment? Use feedback to continue to improve performance? Use digital tools to improve learning?
- **Digital Citizen** - How can you help students cultivate and manage their digital identity? Engage and interact safely online? Respect intellectual property? Protect their personal data and privacy?
- **Knowledge Constructor** - How can you teach students about how to use effective online search strategies? Critically evaluate resources? Organize information? Explore real-world problems?
- **Innovative Designer** - What kinds of opportunities can you build into your classroom to use the design process? Utilize digital tools for design? Engage in the design process and troubleshooting? Persevere and problem-solve?
- **Computational Thinker** - As you consider your own classroom, how can you teach students how to choose tools for data collection and analysis? Find and organize data? Use data for analysis? Engage in algorithmic thinking and seek automated solutions?
- **Creative Communicator** - How do you provide opportunities for students to choose digital tools for communicating and collaborating? Create, remix and repurpose works? Share ideas in a variety of digital media formats? Customize messages for authentic audiences?
- **Global Collaborator** - Where in your lessons do you educate students on how to utilize digital tools to communicate across cultures? Collaborate with experts, peers or key stakeholders across classrooms, careers, continents and cultures? Actively engage in collaborative projects? Explore local and global issues and investigate solutions?
- **Wrap-Up** - How can you use the ISTE Student Standards to guide instruction? How can you integrate digital tools to expand and enhance teaching and learning? How can you transform lessons with digital age teaching and learning across age bands and content areas? How can you empower student agency with the standards and indicators?



## Course Structure

This course consists of nine modules including a Lesson Connections document. Each module includes an overview of the Standard and indicators, as well as an opportunity to explore how the ISTE Student Standards can be applied to improve digital age teaching and learning.

Explore the Standards in Action and resources to help you better understand and apply the indicators. In addition, each module includes an opportunity for you to see spotlighted examples of digital tools and strategies for classroom application. You are asked to self-reflect during each module to consider how this Standard and the indicators can apply to your own lessons as well as complete the Knowledge Check before moving on.

## Course Goals and Outcomes

By the end of this course, the goal is that you will be able to understand how the ISTE Student Standards and indicators can strengthen student learning experiences and transform teaching and learning.

1. Describe the ISTE Standards for Students
2. Understand how the ISTE Student Standards and Indicators are applied
3. Make connections between the Standards, indicators, and tools/strategies for classroom application
4. Transfer the learning to improve instructional practice, teaching, and learning

## Participant Profile

This ISTE Standards for Educators course is designed for K-12 education audiences seeking guidance on the application of digital age teaching and learning. The course is designed and developed around the [ISTE Standards for Students](#). Possible participants may be:

- Teachers (PK-12, any subject)
- Instructional Technology Coaches
- Instructional Designers
- Instructional Coordinators / Curriculum Developers / Curriculum Specialists
- Teachers / Faculty (Higher Ed)
- Tech Coaches / Tech Coordinators / Tech Specialists
- Other educational leaders or key stakeholders



## Module Descriptions

### **MODULE 1: INTRODUCTION TO STANDARDS**

In this module, we will begin by thinking about how the ISTE Standards for Students guide you to answer these questions! “ As you begin your journey, think about how the standards can be used as a roadmap to transform learning. With each indicator, you will be encouraged to make connections to digital tools and best practice strategies that can be used to transform learning in your own classroom.

### **MODULE 2: EMPOWERED LEARNER**

This module will explore the Empowered Learner standard, where students leverage technology to take an active role in choosing, achieving, and demonstrating competency in their learning goals, informed by the learning sciences.

### **MODULE 3: DIGITAL CITIZEN**

This module will explore the Digital Citizen standard, where students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world. In addition, they act and model in ways that are safe, legal and ethical.

### **MODULE 4: KNOWLEDGE CONSTRUCTOR**

This module will explore the Knowledge Constructor standard, where students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others.

### **MODULE 5: INNOVATIVE DESIGNER**

This module will explore the Innovative Designer standard, where students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.

### **MODULE 6: COMPUTATIONAL THINKER**

This module will explore the Computational Thinker standard, where students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.

### **MODULE 7: CREATIVE COMMUNICATOR**

This module will explore the Creative Communicator standard, where students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.



## **MODULE 8: GLOBAL COLLABORATOR**

This module will explore the Global Collaborator standard, where students use digital tools to broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.

## **MODULE 9: WRAP UP**

Module 9 is the culmination of your exploration of how the ISTE Standards for Students can improve teaching and learning. This module will review the seven standards and ask you to think critically about your own application of the indicators. You will revisit your lesson ideas, the age bands and the Student Standards to begin thinking about how you will apply your professional learning.

## **Completion Criteria**

To receive the certificate of completion, you must complete the Lesson Connections document and attain a passing score on the Knowledge Checks.

## **Disclaimers**

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NOTE: A variety of applications are highlighted throughout this course. Prior to using any of them with students, it is imperative that participants check the account requirements for each application against their school/district student data privacy policy to ensure 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 instructor's or ISTE's discretion.