Artificial Intelligence Explorations and Their Practical Use in Schools

Artificial intelligence (AI) is no longer the stuff of the future; today's students can expect to interact with AI in both their personal and professional lives. To prepare students for success, educators need to understand how AI technologies can be leveraged to facilitate learning and solve real-world problems. Artificial Intelligence Explorations and Their Practical Use in Schools is ISTE U's premier online professional learning course that unpacks everything educators need to know about bringing AI to the classroom.

Course details

- **Grade Level:** 4-12
- **Course length:** 30 hours
- **Cost:** $224 Member/$299 Non-member
- **Structure:** Self-paced with ongoing instructor support

Through this course, educators will:

- Learn to identify the various types of AI.

- Hear about AI technologies on the horizon.

- Build tools to make AI concrete and accessible for educators and students alike.

- Develop a project-based unit where students apply artificial intelligence to solve a real-world problem.

Learn more and enroll at iste.org/AIcourse

ISTE U

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Course Flow

- **Module 1:** Introduction to AI
- **Module 2:** AI Perception and Human-Computer Interaction
- **Module 3:** PBL and Design Thinking
- **Module 4:** Machine Learning and Problem-Solving
- **Module 5:** Virtual Facilitators
- **Module 6:** Automating Interactions Via Chatbots and Voice Experiences
- **Module 7:** Improving Student and Teacher Understanding With Data Mining
- **Module 8:** Search
- **Module 9:** Creating a PBL and Design Thinking Experience
- **Module 10:** AI Considerations and the Future
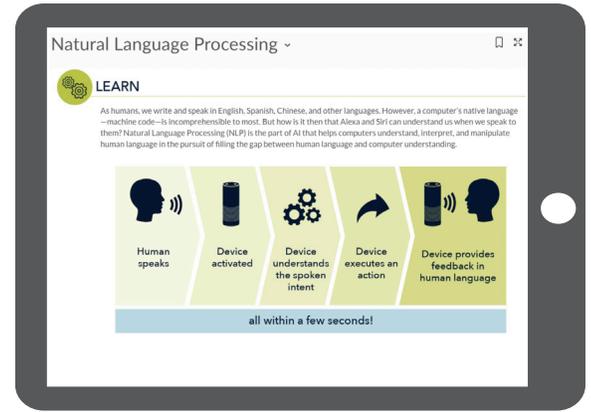
Connected to the ISTE Standards for Educators

This course helps educators address several indicators in the ISTE Standards for Educators, including:

LEARNER 1.a.	Set professional learning goals to explore and apply pedagogical approaches made possible by technology and reflect on their effectiveness.
CITIZEN 3.a.	Create experiences for learners to make positive, socially responsible contributions and exhibit empathetic behavior online that build relationships and community.
DESIGNER 5.b.	Design authentic learning activities that align with content area standards and use digital tools and resources to maximize active, deep learning.
FACILITATOR 6.c.	Create learning opportunities that challenge students to use a design process and computational thinking to innovate and solve problems.
FACILITATOR 6.d.	Model and nurture creativity and creative expression to communicate ideas, knowledge or connections.
ANALYST 7.c.	Use assessment data to guide progress and communicate with students, parents, and education stakeholders to build student self-direction.

About ISTE U

ISTE U is a virtual hub of best-in-class professional learning courses to help educators build critical skills for teaching and learning in a digital world. By working with leading educators and education organizations, ISTE U provides research-based, impactful, engaging courses that put pedagogy first and help you transform teaching and learning.

Graduate-level credit

Participants in ISTE U courses can earn graduate-level credit for an additional fee with one of ISTE's accredited graduate-level credit partners.

See the entire course catalog at iste.org/ISTEU. *Need more information?* Email isteu@iste.org.