



Prepare Every Student for an AI-Powered Future

K-12 AI Literacy and STEM Education for Today's Schools

Kids In Technology helps schools prepare students to understand, evaluate, and responsibly use artificial intelligence through developmentally appropriate, hands-on learning experiences.



AI Literacy
Understand what AI is and how it works.



Critical Thinking
Question information and outcomes.



Creativity
Use AI to imagine, create, and innovate.



Responsible Innovation
Use AI safely, ethically, and with purpose.



AI literacy.
Critical thinking.
Creativity.
Responsible innovation.



Serving
Grades
K-12

“ Students should not simply use AI. They should understand how it works, question its results, and learn to use it responsibly. ”





Where Is Your School on Its AI Readiness Journey?

Understanding where your school is today helps build a clear path toward confident, responsible AI literacy for every student.



Wherever your school is starting, **Kids In Technology** can help you build a responsible and sustainable AI learning pathway.



GRADES K-2 Awareness and Exploration

Students begin recognizing examples of artificial intelligence in everyday life.

Students learn to:

-  Distinguish between people, machines, and automated systems
-  Identify basic patterns and categories
-  Understand that computers follow human instructions
-  Practice safe and respectful technology use
-  Explore creativity through guided, age-appropriate activities

GRADES 3-5 Foundations and Discovery

Students investigate how AI systems use patterns, examples, and data.

Students learn to:

-  Explain AI in age-appropriate language
-  Recognize how computers classify and predict
-  Practice writing clear instructions and prompts
-  Compare human and computer decision-making
-  Identify inaccurate, unfair, or misleading outputs
-  Create responsible AI-supported projects

GRADES 6-8 AI-STEM Smart

Students move from basic awareness to structured investigation and application.

Students learn to:

-  Explain how AI systems learn from data
-  Differentiate rules-based systems from machine learning
-  Evaluate AI-generated information for accuracy and bias
-  Strengthen prompting through testing and revision
-  Explore generative and predictive AI
-  Document sources and human contributions
-  Design AI-supported solutions to real-world problems

GRADES 9-12 AI-STEM Academy

Students examine the technical, ethical, and workforce applications of artificial intelligence.

Students learn to:

-  Differentiate generative, predictive, and automated systems
-  Examine datasets, data quality, and data lineage
-  Evaluate privacy, bias, security, and reliability
-  Build structured AI workflows
-  Establish human-in-the-loop checkpoints
-  Compare AI tools for specific tasks
-  Develop portfolio-ready AI and STEM projects
-  Explore AI-related education and career pathways



Our goal is to help every student become an **informed user**, **critical thinker**, and **responsible creator** in an AI-powered world.

FOUR CORE CURRICULUM MODULES

A Consistent Four-Module Learning Experience

Each grade band follows the same four-part framework, with increasing technical depth and independence.

1



Understanding Artificial Intelligence

Students explore:

- What AI is and what it is not
- How AI appears in everyday life
- Patterns, data, algorithms, and models
- Differences between human thinking and machine processing
- The strengths and limitations of AI systems



2



Communicating and Creating With AI

Students learn:

- How instructions affect AI-generated results
- Age-appropriate prompting strategies
- How to revise, test, and improve prompts
- How to use AI to support writing, research, design, and problem-solving
- Why people must review and improve AI-generated work



3



Responsible AI and Digital Citizenship

Students examine:

- Accuracy and misinformation
- Bias and fairness
- Privacy and personal information
- Copyright and ownership
- Appropriate disclosure of AI assistance
- Safe, ethical, and responsible technology use



4



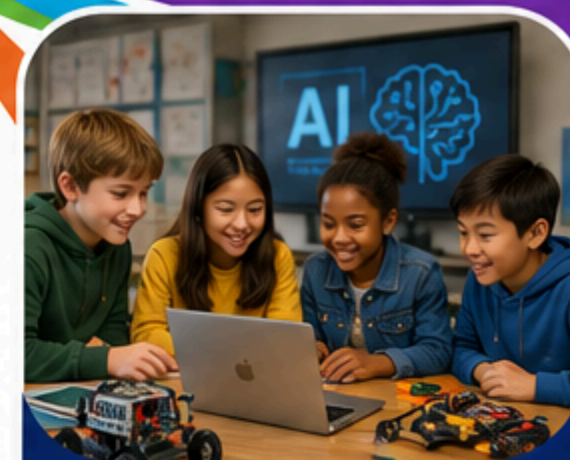
AI-STEM Studio

Students apply:

Their learning through hands-on challenges and projects.

Projects may include:

- Digital stories
- AI-assisted research investigations
- Data and pattern challenges
- Design-thinking projects
- Community problem-solving
- AI for Good projects
- Career and entrepreneurship challenges
- Student presentations and portfolio projects



More Than AI Tool Use

Students participate in structured learning experiences that strengthen:



AI Literacy

Understanding what AI can and cannot do.



Critical Thinking

Questioning AI-generated information instead of automatically accepting it.



Digital Citizenship

Using AI safely, ethically, and responsibly.



Creativity

Combining human ideas with appropriate technology tools.



Communication

Writing clear instructions, explaining decisions, and presenting findings.



Problem-Solving

Using design thinking and STEM practices to address authentic challenges.



Collaboration

Working in teams while documenting individual and shared contributions.



Career Readiness

Connecting AI literacy to future education, employment, and entrepreneurship.



“ Our curriculum helps students develop the **knowledge**, **skills**, and **mindset** they need to thrive in an **AI-powered world**. ”

WHAT STUDENTS WILL EXPERIENCE

Building Future-Ready Thinkers and Creators

Students participate in structured learning experiences that strengthen essential skills for an AI-powered world.



AI LITERACY

Understanding what AI can and cannot do.



CRITICAL THINKING

Questioning AI-generated information instead of automatically accepting it.



DIGITAL CITIZENSHIP

Using AI safely, ethically, and responsibly.



CREATIVITY

Combining human ideas with appropriate technology tools.



COMMUNICATION

Writing clear instructions, explaining decisions, and presenting findings.



PROBLEM-SOLVING

Using design thinking and STEM practices to address real challenges.



COLLABORATION

Working in teams while documenting individual and shared contributions.



CAREER READINESS

Connecting AI literacy to future education, employment, and entrepreneurship.



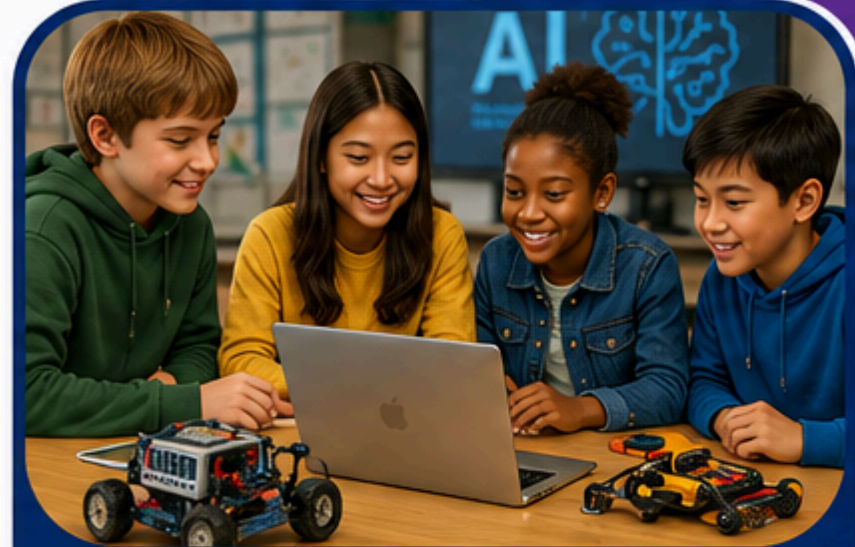
OUR ANTI-HYPE APPROACH *Teaching Students to Think, Not Just Click*

Kids In Technology does not teach students that AI is always intelligent, accurate, neutral, or appropriate.

- Verify important information
- Identify incomplete or fabricated responses
- Ask where information and data came from
- Recognize that AI can reflect human bias
- Protect private and sensitive information
- Distinguish AI assistance from original human work
- Document when and how AI was used
- Keep people responsible for final decisions
- Use AI only when it improves the learning process



AI is a tool, not a substitute for human judgment, creativity, expertise, or responsibility.



WHY THIS MATTERS



Students become informed users who understand AI deeply.



Students think critically instead of relying on AI without question.



Students make ethical choices and act responsibly online.



Students solve meaningful problems that prepare them for the future.



Students build skills that matter in school, careers, and life.

Our curriculum supports alignment with leading academic, technology, and digital citizenship standards.



STANDARDS ALIGNMENT



ISTE Standards for Students



CSTA K-12 Computer Science Standards



Next Generation Science Standards



Common Core English Language Arts



Common Core Mathematics



State academic and technology standards



Digital citizenship and media literacy competencies



College, career, and workforce-readiness skills

THE 5E INSTRUCTIONAL MODEL

Built Around the 5E Instructional Model



ENGAGE

Connect AI concepts to students' lives and experiences.



EXPLORE

Investigate ideas through demonstrations, challenges, and guided experimentation.



EXPLAIN

Develop accurate academic and technical understanding.



ELABORATE

Apply learning through AI-STEM Studio projects and real-world problems.



EVALUATE

Demonstrate understanding through reflection, assessment, and project evidence.



WHAT'S INCLUDED

A Classroom-Ready AI Literacy Curriculum

- ✓ Grade-band curriculum guides
- ✓ Complete lesson plans
- ✓ Teacher presentation slides
- ✓ Student activity sheets
- ✓ Vocabulary and concept guides
- ✓ AI-STEM Studio project instructions
- ✓ Teacher facilitation notes
- ✓ Discussion questions
- ✓ Formative assessments
- ✓ Student reflection tools
- ✓ Project rubrics
- ✓ Answer keys
- ✓ Family communication resources
- ✓ Digital citizenship resources
- ✓ Recommended tool and safety guidance
- ✓ Implementation planning materials



Lessons can include unplugged activities, teacher-led demonstrations, and device-based experiences, allowing schools to begin even when student access to AI tools is limited.



Our standards-aligned curriculum ensures students build **real understanding**, **critical skills**, and **confidence** to thrive in an AI-powered world.

Designed to Fit the School Day

The curriculum may be implemented in multiple ways to support your school's goals, schedule, and resources.



IMPLEMENTATION PATHWAYS



General classroom instruction



Computer science courses



STEM or STEAM classes



Library and media programs



Career and technical education



Advisory periods



Extended learning programs



After-school enrichment



Saturday academies



Summer learning



AI clubs



Schoolwide AI literacy initiatives



FLEXIBLE SCHEDULING

Schools may select the format that works best for their needs.



Individual introductory lessons



Four-module units



Nine-week implementation



Semester programming



Full-year AI literacy pathways



Schoolwide or grade-band pilots



Implementation is flexible, scalable, and designed to support schools at every stage of their AI journey.



GRADE-BAND IMPLEMENTATION

Our curriculum grows with your students.



K-2

Awareness
and
Exploration



3-5

Foundations
and
Discovery



6-8

AI-STEM
Smart



9-12

AI-STEM
Academy



A clear K-12 progression builds stronger understanding, consistency across grade levels, and long-term impact.

WHY FLEXIBILITY MATTERS



Fits your
existing
schedule



Works with
available staff
and resources



Scales with
student needs
and goals



Supports
consistent, high-
quality learning



Builds a
sustainable AI
learning culture



Whether you are starting small or thinking schoolwide, we help you create an AI learning experience that works for your school.



TWO DELIVERY OPTIONS

Choose the Model That Fits Your School

Flexible options. Proven support. Meaningful student outcomes.



OPTION 1

Kids In Technology-Led Instruction

A trained Kids In Technology instructor **delivers** the program directly to students.



May include:

- ✓ On-site or virtual instruction
- ✓ Structured student lessons
- ✓ AI-STEM Studio activities
- ✓ Student assessments
- ✓ Project facilitation
- ✓ Implementation coordination
- ✓ Progress and participation reporting



OPTION 2

School-Led Curriculum License

School personnel deliver the curriculum using **Kids In Technology** instructional resources and professional development.



May include:

- ✓ School or site curriculum license
- ✓ Teacher training
- ✓ Curriculum portal access
- ✓ Implementation guides
- ✓ Recorded training resources
- ✓ Planning support
- ✓ Ongoing instructional assistance



OPTIONAL

Hybrid Model

Kids In Technology launches the program, models instruction, and supports school personnel as they transition into **program delivery**.



Kids In Technology launches and models instruction.



Teachers build confidence with coaching and resources.



Schools transition into independent program delivery with ongoing support.



Every option includes **high-quality** resources, **professional** support, and a commitment to **student success**.



Professional development helps teachers move from uncertainty and experimentation to structured, responsible classroom implementation.

Training topics may include:

- | | |
|---|---|
|  AI foundations for educators |  Human-in-the-loop instructional practices |
|  Generative and predictive AI |  Classroom management when using AI |
|  Prompting and instructional design |  Academic integrity and AI disclosure |
|  Evaluating AI-generated information |  Facilitating AI-STEM Studio projects |
|  Bias, privacy, copyright, and misinformation |  Adapting lessons for different grade levels |
|  Student safety and appropriate-use expectations |  Developing schoolwide AI implementation plans |



WHY KIDS IN TECHNOLOGY?

Experienced. Practical. Student-Centered.

Kids In Technology is a nonprofit educational organization with more than two decades of experience delivering hands-on STEM education, teacher support, and student enrichment.

Our approach combines:

-  K-12 instructional experience
-  AI literacy and STEM education
-  Developmentally appropriate curriculum
-  Responsible technology practices
-  Hands-on project-based learning
-  School and community partnerships
-  Support for students from historically underrepresented communities
-  Flexible implementation for schools with different staffing, technology, and scheduling needs



Professional development may be offered:



Live online



On-site



Through
recorded
modules



As an
introductory
workshop



As an ongoing
coaching
series



IMPACT STATEMENT

We help schools move beyond isolated AI activities toward a **clear**, **responsible**, and **sustainable** K-12 learning pathway.



EXPECTED STUDENT OUTCOMES

Students Will Be Prepared to:

01



Explain **basic** AI concepts using grade-appropriate language

02



Recognize **common** applications of artificial intelligence

03



Evaluate AI-generated information

04



Write and improve **effective prompts**

05



Protect **personal** and **sensitive** information

06



Identify **bias**, **misinformation**, and unreliable output

07



Use AI **responsibly** during academic work

08



Explain when and how AI **contributed** to a project

09



Collaborate on **AI-supported STEM** challenges

10



Apply **human judgment** before accepting an AI result

11



Connect AI learning to **careers** and **real-world** applications

12



Produce projects that demonstrate **learning**, **creativity**, and **ethical decision-making**



Building **AI literacy** today. Inspiring **responsible innovators** tomorrow.

SCHOOL PARTNERSHIP OPTIONS

Start Where Your School Is



Schools may begin with:

1



AI Readiness Consultation

Identify goals, grade levels, available technology, staffing, and implementation needs.

4



Grade-Band Curriculum License

Implement the curriculum in elementary, middle, or high school.

2



Student AI Literacy Pilot

Launch the curriculum with a selected grade, class, or student cohort.

5



K-12 Schoolwide Pathway

Build a coordinated learning progression across multiple grade levels.

3



Teacher Professional Development

Prepare educators before beginning student instruction.

6



District Implementation

Establish common expectations, curriculum, professional development, and implementation support across schools.



Flexible. Structured. Supported.

We meet schools where they are and grow together toward a future of confident, responsible AI learners.



Whether you're exploring AI education for the first time or ready to scale, we're here to partner for impact.

BRING RESPONSIBLE AI LITERACY TO YOUR SCHOOL



K-12 AI Literacy and STEM Education

Prepare students to become
informed users, critical thinkers, ethical
creators, and future-ready problem-solvers.



**SCHEDULE AN
AI READINESS CONVERSATION**



Kids In Technology, Inc.
K-12 AI Literacy and STEM Education



Website: kidsntechnology.net



Email: jacquelyn@kidsntechnology.net



Phone: +1 901 461 0580



Building the knowledge,
judgment, and skills
students need to succeed in
an **AI-powered** world.

