

5 Practical Ways Schools Are Exploring AI in CTE & Vo-Tech

Real classroom examples educators can adapt to strengthen instruction, engage students, and support workforce readiness.



Built for Career & Technical Education and vocational educators exploring AI in the classroom.



Classroom Ready



Responsible Use



Skills Focused



Workforce Connected

Where These Ideas Can Apply

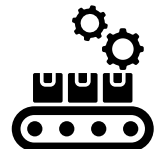
- Classroom-ready examples
- Educator-centered approaches
- Responsible AI practices
- Adaptable ideas for schools



Robotics



Engineering



Manufacturing



Construction



Health Science



Media

Practical Applications

5 PRACTICAL WAYS EDUCATORS ARE EXPLORING AI IN CTE & VO-TECH

Practical examples schools can adapt to support instruction, engagement, and workforce readiness.

1



Strengthen Lesson Planning

- Draft lesson outlines and activities
- Differentiate assignments for varied learners
- Create extension and project ideas

WHAT STAYS HUMAN:

Teacher judgment, relationships, and assessment.

2



Build More Authentic Student Projects

- Design real-world project scenarios
- Support reflection and revision
- Encourage creativity and iteration

WHAT STAYS HUMAN:

Creativity, evaluation, and execution.

3



Create More Time for Instruction

- Draft rubrics and formative checks
- Generate lesson examples and supports
- Support differentiation & assignment variations

WHAT STAYS HUMAN:

Professional judgment, feedback, and student relationships.

4



Expand Creative Learning

- Design project-based learning experiences
- Explore interdisciplinary classroom connections
- Explore Creative Edge approaches

WHAT STAYS HUMAN:

Creativity, curiosity, and instructional judgment.

5



Extend Instruction with AI Tools

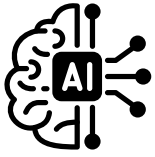
- Explore Gemini and Google Workspace tools
- Draft lessons, rubrics, and activities
- Use AI across Docs, Slides, and Meet

WHAT STAYS HUMAN:

Instructional decisions, context, and connection.

Dedicated CTE / Vo-Tech Track

From the JFYNet AI Leadership Institute • Track 3



- ✓ Built for Career & Technical and vocational educators
- ✓ Explore AI across pathways including robotics, engineering, healthcare, manufacturing, media, and IT
- ✓ Design AI-enhanced projects and instructional experiences

What Participants Explore

- ✓ Practical classroom and shop-use applications
- ✓ Examples educators can adapt immediately
- ✓ Strategies for responsible implementation

Flexible Learning. Practical Outcomes.

Flexible Formats

- 🕒 1-hour, half-day, and full-day workshops
- 📚 Blended learning series
- 🏛️ Leadership institutes
- 👤 Coaching and implementation support
- 🎓 Train-the-trainer options

What Educators Gain

- 🛡️ Use AI responsibly and confidently
- ⌚ Save time while strengthening instruction
- 👥 Create engaging, workforce-connected learning
- 📈 Strengthen workforce readiness for what comes next

Continue the Conversation

Explore practical AI ideas and connect with JFY beyond MAVA.



Scan the QR code to explore resources and connect.



Session materials · AI PD programs · Connect with the JFY team

SCAN ME!

