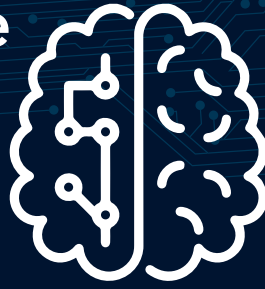


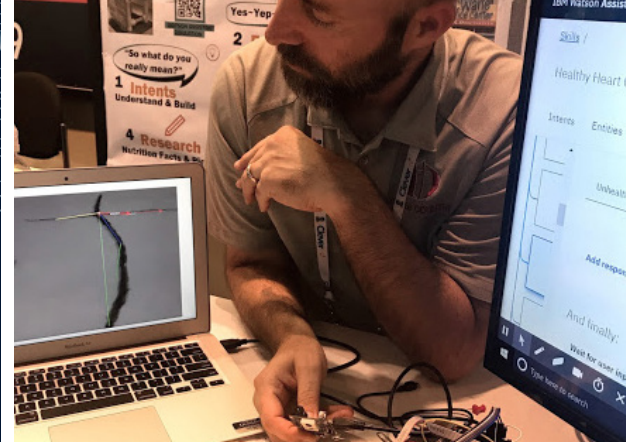
Artificial Intelligence Explorations

and Their Practical Use in School Environments



ISTE

GENERAL MOTORS



Teacher Ed Van Haute's participation in ISTE's AI in Education program launched him and his students on a journey of discovery about artificial intelligence.

Van Haute, a middle school science and STEM teacher at The Dunham School in Baton Rouge, Louisiana, took what he learned in the self-paced ISTE course *Artificial Intelligence Explorations and Their Practical Use in Schools* and started a class project to explore the technology behind driverless cars by using AI to control a small robotic vehicle.

ED VAN HAUTE

Middle school science and STEM teacher

THE DUNHAM SCHOOL

Baton Rouge, Louisiana

DEMOGRAPHICS

735 students in a private, co-ed PK-12 school; 88% white, 8% African-American, 3% Asian; 1% Hispanic

Hands-on student learning with AI

The goal was to have the vehicle navigate a maze and eventually learn to recognize objects.

"This is just as much of a learning process for me as my students, so this is a project that is continuing to go on," he said. *"I think AI in education is important in that these are possible jobs that our kids are going to be dealing with more and more, and I think we need to be moving in this direction."*

Van Haute found that his students brought a great deal of interest and curiosity to the table. *"There were many questions about the policy and ethics of AI,"* he said. *"They also were able to look at how AI is incorporated in their own lives."*

Looking Ahead

Ed's experience in the course has motivated him to look for new ways to build upon what's he's already learned into new collaborative opportunities. He's hoping to collaborate with computer science teachers at the high school level to facilitate a transition of AI concepts from middle school STEM classes, and he's also exploring how to integrate AI into his STEM classes.

The course and subsequent project also provided a chance for Van Haute to collaborate with other educators outside of his school and usual network of colleagues to learn from what they were doing with AI. The class project, he said, *"allowed me to apply what I was learning to a classroom, which is exciting for me."*

"I enjoyed the course. It was well-paced and exciting with new information. I developed a better understanding of AI and a willingness & desire to continue learning about this subject, and how to incorporate it into my classroom."

The International Society for Technology in Education is proud to offer extraordinary professional learning opportunities for K-12 educators, leaders, and edtech specialists through a GM grant-funded program, **Artificial Intelligence Explorations and Their Practical Use in School Environments**. This initiative created an **online course** and **community of practice** that helps educators develop and share knowledge about using AI in classrooms. By bringing the power of AI to the classroom, the project helps educators cultivate future AI programmers by supporting student-driven AI explorations, targeting schools that serve student populations who have traditionally been underrepresented in the STEM workforce. This case study was completed as part of an external evaluation by **MN Associates**. To learn more about the initiative or join the hundreds of educators who have begun their AI in education journey, contact ai@iste.org.

ISTE