Artificial Intelligence in Butler Tech Schools

- Lesson and Curriculum Development
- Time-Saving Tools
- Student Engagement and Differentiation
- Cross-Curricular and Real-World Connections
- Administrative and Professional Use

3 Contributors

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Collective Google Doc

What's Your Current, Coolest Usage?

Levels of A.I. Usage

District Mission

AI-powered tools like grammar checkers and plagiarism detectors can help students improve their writing.

In Hands of Teachers

AI can personalize learning by providing tailored instruction and feedback based on individual student needs.

Classroom Levels / Reporting

AI can be used to develop intelligent tutoring systems that provide real-time support and guidance to students.

Notebook LM

Audio Tool / Podcast Feature (Translates)

- Homework / Supplemental Instruction
- Meeting Analysis for Colleagues
- Synthesis of Multiple Sources, Docs

Beta Interactive Feature

Curriculum Integration: Blending Courses

1

Step 1: Identify Core Skills

Identify essential skills for future careers across various fields, such as critical thinking, problem-solving, and communication.

2

Step 2: Integrate AI Tools

Introduce AI tools and techniques relevant to the identified skills, such as data analysis, machine learning, and AI ethics.

3

Step 3: Create Cross-Disciplinary Projects

Design projects that integrate AI concepts and tools across different subjects, allowing students to apply their knowledge in real-world contexts.

Personalized Learning Cohort: Student-Centered Design

Assessment & Analysis

AI can be used to assess student learning and provide personalized feedback, identifying areas for improvement and tailoring instruction accordingly.

Learning Path Creation

AI can create personalized learning paths for each student, offering tailored content and activities based on their individual strengths and needs.

Personalized Instruction

AI can provide personalized instruction and support to students, adapting to their learning pace and preferences, ensuring a more engaging and effective learning experience.

Magic School as an Enterprise Level Tool

1

Teacher Planning

AI-powered virtual reality simulations can provide hands-on learning experiences, allowing students to explore complex concepts and practice skills in a safe and interactive environment.

2

Administrative Tasks

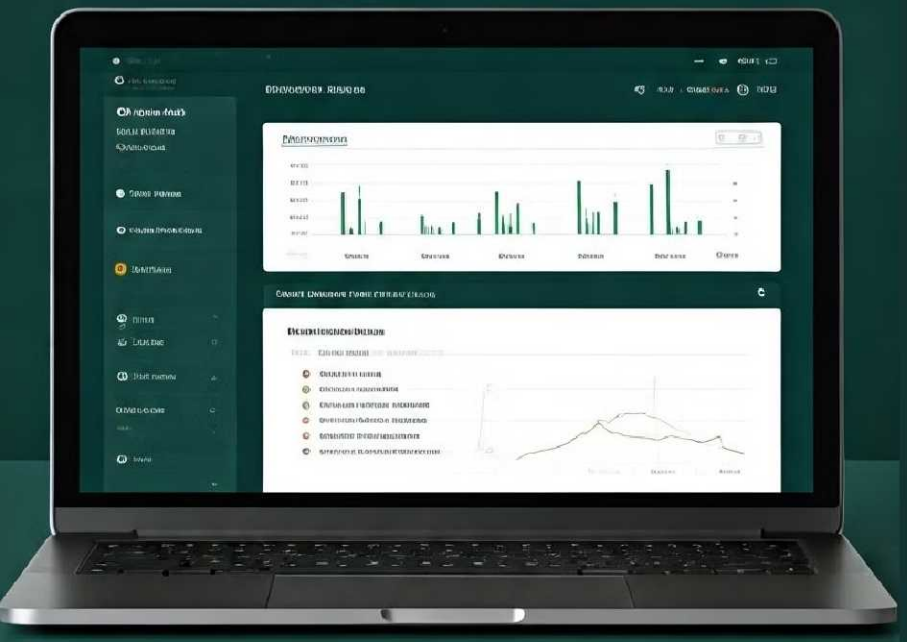
AI can adapt the difficulty and content of virtual simulations based on student performance, providing individualized learning challenges and support.

3

Models Prompt Engineering

AI can analyze student data from virtual simulations to identify areas for improvement and provide personalized feedback, helping students track their progress and develop their skills.

Analysis of WBL Reflections to Impact Teaching / Survey



1 Student Feedback

AI can analyze student reflections from work-based learning experiences to identify common themes and areas for improvement.

2 Teaching Practices

This analysis can inform teaching practices, helping educators tailor their curriculum and instruction to better meet student needs.

3 Personalized Guidance

AI can provide personalized feedback to students, highlighting areas where they excelled and areas where they can improve their work-based learning experiences.

The Interview

Resume Optimization

AI can be used to analyze resumes and provide feedback on formatting, content, and keywords, helping students create impactful resumes that stand out to employers.

Interview Preparation

AI-powered tools can provide mock interviews and feedback on communication skills, helping students prepare for real-world interviews and build confidence.

Networking Opportunities

AI can connect students with relevant career opportunities and industry professionals through online platforms, fostering networking and career development.

Advanced Manufacturing

AI from the Outset

AI is changing workspaces. BT is designing its new facilities and programs to incorporate AI in their design. Business partners are advising on ways that AI is already changing careers that our students need to be ready for.

Coop Opportunities

These new AI-enabled pathways combined with a capstone senior year offers students at our AM-HUB campus opportunities to apply AI working directly with those partners.

Business Partner Engagement

Direct Engagement

Businesses are already integrating AI into their daily operations including productivity applications, meeting rooms, manufacturing processes, continuous improvement, safety and more.

Kinetic Vision

This BT partner is allowing our students to reverse engineer an existing product. Then through an engaged and iterative process will work with the students to develop comparable products for Butler Tech

The Industry Expert

Industry Expert	Provides real-world insights and perspectives on the use of AI in their field.
Student Engagement	Offers valuable information and practical examples, sparking student interest and engagement in AI applications.
Career Guidance	Helps students understand the evolving landscape of AI-related jobs and the skills needed to succeed in the future.

Evaluations & Performance Analysis

OTES, OPES and any other type of performance evaluation

- A separate thread for each direct report
- Directly script and take notes into ChatGPT
  - Upload documents like OTES 2.0 or other district documents
  - Time-stamped script
  - Align notes with performance domains (Knowledge of Students, Focus for Learning, etc.)
  - Recommendations to move from "Skilled to Accomplished"
  - Reflective Questioning

Reflection: What other additions could be added to add depth to the conversation?