AI 101 FOR TEACHERS

What AI is & How it Works

✦ A quick guide to understanding and using AI in your classroom
https://youtu.be/-qE8vRnbyyk

Main Objectives of Episode 1:

- **What is Generative AI?**
  - *A tool that creates new content (text, images, video, etc.) based on patterns it learned during training*
- **AI Enhances Teaching & Learning (NOT a replacement)**
  - *AI supports your work, but your expertise is essential*
- **AI Anxieties, Myths, & Misconceptions**
  - *Addressed common fears and misunderstandings about AI*
- **Set Realistic Expectations**
  - *AI is powerful but far from perfect*

How AI Works

Understanding Large Language Models

Large Language Models (LLMs):

Advanced Autocomplete

Predict what comes next by identifying patterns learned from training data

Detailed Prompts Work Best:

More detail & context = more accurate outputs

Richness of prompts directly influences the quality of the AI's response. (More details in the next episode!)

AI Hallucinates:

AI generates Text Not Truth

Sometimes produces incorrect information while sounding confident about it

Set Expectations of AI

You Own the Output

AI is Your Creative Partner:

    Use it to brainstorm

AI Cannot Make Judgements:

    Your professional judgement is necessary

    It just puts words (or pixels for images) together based on mathematical patterns

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What Can AI Do for You

Enhance Learning & Save Time

Differentiate Content:

    Create multiple versions for different learning needs

    Create materials & content specifically tailored to each individual student's interests

Helps with Routine Creative Work:

    Quickly generate worksheets, quizzes, lesson ideas, course content, etc.

AI Needs Your Guidance:

1. Prompt
2. Review
3. Adapt the output

AI Anxiety

Cheating:

    Students already use AI – teach them how to use it ethically and effectively

Teaching is still Human with AI:

    Let AI handle routine tasks

    You can spend more time connecting with your students