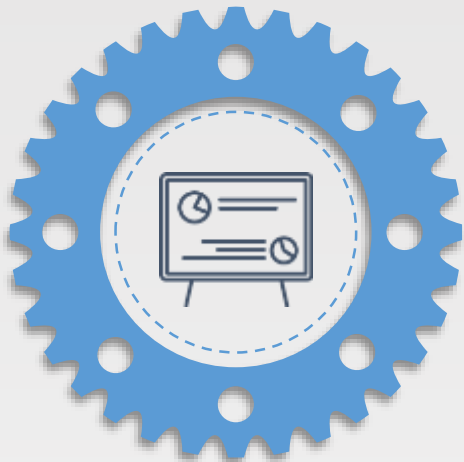# Rage with the Machine

AI as a collaborative partner in K-12 course design

Session Objectives
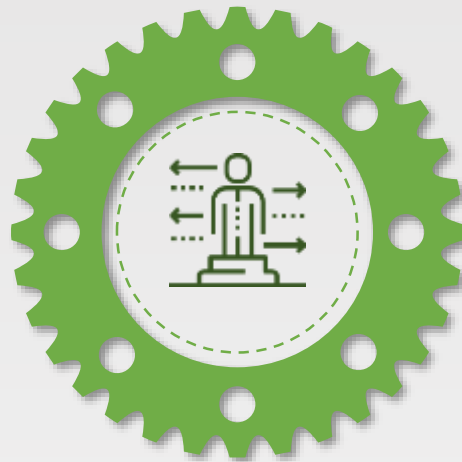
Learners will...

describe best practices for prompting and corresponding with AI tools and technologies during course design.

Learners will...

apply AI tools and technologies to course design.

Learners will...

discuss ways they can leverage AI in course design.

Meet your presenter

Dr. Darlene Schaefer, NCVPS

- **Title:** Instructional Designer
- **Years in education:** 26
- **Passions:** Designing learner-centered experiences with tools and technologies
- **Hobbies and interests:** Spending time with my young adult daughters; cheering on their sports teams; lake and outdoor activities
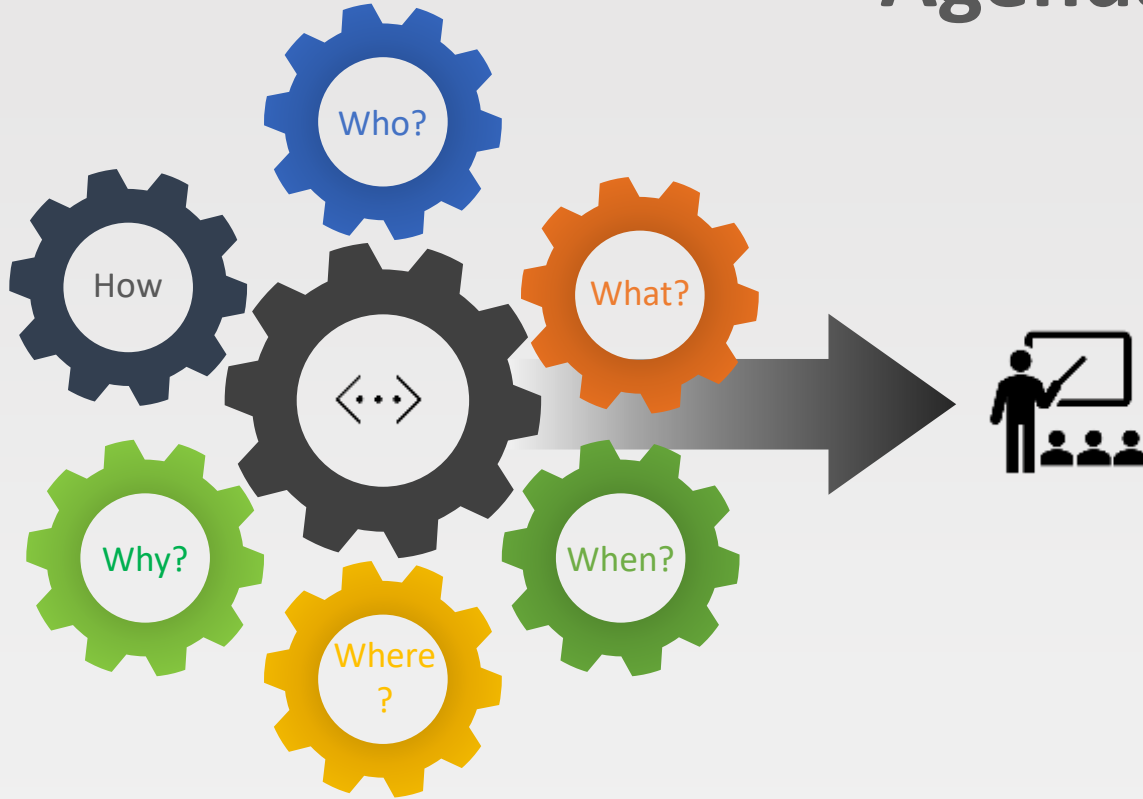
Agenda: 5 W's and H

Why are we using AI?

What courses, content, and curriculum are we using AI to support?

Who is our intended audience?

How are we using AI?

What AI tools are we using?

When are we using AI?

Where else can we use AI to support educator practice?

Why?

Why are you using AI to support course design?

Why did we use AI to support course design?

Capacity. State implements standards updates for core courses and courses with state standards every year

Elective courses needed updates

Exploration of the process

Provide better professional development support for content writers

What?

What courses, content, and curriculum are you using AI to support?

What courses, content, and curriculum are we using AI to support?

NCVPS offers two Success Elective Courses
- Middle School Success for Grades 6-8
- High School Success 101 for Grades 9-12

We began with the Middle School Success course and are incorporating these strategies to update High School Success 101.

General elective without official state standards, but it includes some correlation with future-ready skills and concepts, including NCDPI Portrait of a Graduate, NC Digital Learning Standards, and the CASEL framework.

Middle School Success Course Description

This course introduces middle school students to **online learning** and teaches them **skills necessary to be successful during their secondary and post-secondary educational career**.

Emphasis is placed on the acquisition of **study skills, time management skills, professional skills, digital citizenship, and the evaluation of learning preferences** .

In addition, students explore **success skill application and research high school course and post-graduation opportunities.**

The uses of technology to prepare and present information, conduct research, develop media skills, and apply problem-solving strategies in the academic disciplines are included.

General elective course without state standards.

Who?

Who is your intended audience?

Who is our audience

NCVPS is a state-led virtual school providing supplemental course work for students in middle and high schools across the state
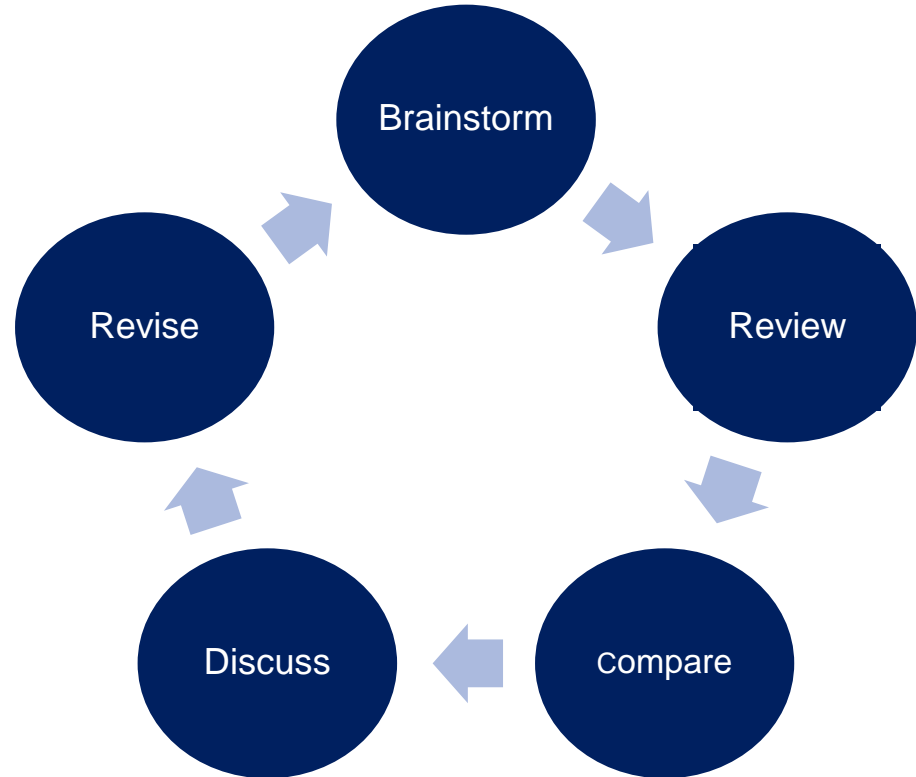
6-8 grade students enrolled at a PSU (or home school or private school)

Fully online course, and the course may be students' first experience completing a fully online, asynchronous course

How?

How are we using AI?

How did we use AI in course design?

What?

What AI tools are we using?

When?

When do you use AI?

When did we use AI?

To help us write a [course outline](#)

→

[Image assets](#)

→

Add narrative and more ["teacher voice"](#)

To support [assessment generation](#)

→

To add feedback to assessments

→

To generate grading support like [assignment rubrics](#)

Supporting Teachers

How are you supporting teachers with AI?

Teacher support considerations

Start	Start where they are
Embed	Embed AI prompting in course development training
Provide	Provide exemplars of process and expected content
Allow	Allow plenty of time for sharing and collaboration

Application

Let's try out AI prompting

Preparing to Prompt

Select an AI tool

- Chat GPT
- Google Gemini
- MS Co-Pilot
- NotebookLM

Identify your learning objectives

- What standards are guiding the instruction?
- What are the lesson level objectives?
- What specific topic do you hope to focus on with students?
- What type of activity do you hope students complete?

Describe your audience

- Grade level
- Subject area
- Demographics
- Learning preferences
- Educational setting

Preparing to Prompt

Prompt cycle one

- Recommend a (type of activity), focused on (your course standards), ideal for (describe your student group)

Prompt cycle two

- Ask AI Adjust for learning setting (synchronous or asynchronous) and assignment type (discussion, group project, submission activity, quiz)

Prompt cycle three

- Ask AI to adjust for (reading level, modify to account for prior background knowledge, acceleration,or remediation)

Other prompt suggestions

Prompt Suggestion	Prompt Suggestion	Prompt cycle three
• Take an activity and design it as a remote learning activity	• Take a lesson plan and make it into a sub-friendly plan	• Take an assignment and modify it for reading level

Where?

Where else are there opportunities for educators to leverage AI as a collaborative partner?

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