

AI Integration in Education: Harnessing AI for Classroom Success

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Spring 2024

## AI Integration in Education: Harnessing AI for Classroom Success

- A. Professional Development Title
  - a. AI Integration in Education: Harnessing AI for Classroom Success
- B. Why this topic:
  - a. The North Carolina Department of Education has recently published a publication on implementing AI in the classroom. I would like to use this publication as one of the primary resources and others to help teachers better understand AI and how it can be helpful in the classroom. Giving their resources to use in the school to help the students research information for their various projects in the classroom. AI can be helpful and not a hindrance.
  - b. The first class would be for teachers to help them understand AI and how it can be used to help them develop lesson plans, grade, and write assignments and other courses can be implemented to help them teach the students to use AI to enhance their assignments.
- C. Using NASA/Endeavor processes:
  - a. They were using the different ways taught in the NASA/Endeavor classes to make this PD engaging and valuable in their classes.
    - i. To collaborate with other classes and bring other information to enhance their current lessons using AI
- D. Target Audience:
  - a. All class subjects
  - b. Any grade level that is interested in it
  - c. Student numbers range from 3 to 35 students per class. Depends on the teacher, subject matter, and level.
- E. STEM concepts or learning goals:
  - a. Our school is currently 1:1 in the classroom
    - i. Showing the teachers different tools that are available to them to help them have more time for self-care
      - 1. Helping to design lesson plans
      - 2. Build rigorous test questions
      - 3. Grading tests if needed
    - ii. Help the teachers show how the students can use it as a beneficial tool in their classroom instead of a tool to cheat with.
  - b. Build lessons that incorporate different level STEM subject material
    - i. Architecture in history
    - ii. Read about Engineers and Scientists in history
    - iii. Read articles and how to research articles for projects
    - iv. Design projects that incorporate STEM focus into each lesson
- F. Standards
  - a. Teachers will be expected to bring standards to the PD that will work for lesson development.
- G. Recruit and how long:
  - a. One hour of in-class instruction with the option of 9 hours of outside work. For a total of either .1 or 1.0 CEU credit
  - b. Recruitment:

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- i. Through our Curriculum Coordinator mass email and form sign-up
      - ii. Discussion in a staff meeting about the opportunity
      - iii. A mass email sent to all of the staff about the opportunity
  - H. Where:
    - a. My shop classroom
    - b. They will be asked to bring their devices
  - I. Survey:
    - a. Pre-survey:
      - i. What do they know about AI
        - 1. Do they currently use AI
          - a. How are they using it?
        - 2. How do they feel about students using in the classroom?
          - a. What are their positive and negative thoughts on it?
          - b. Do they want to teach their students how to use AI effectively?
          - c. Do they feel students should be allowed to use AI in the classroom? Why or why not?
        - 3. Thoughts on AI in general.
          - a. Do they think it can benefit them in the classroom or create a bigger hassle?
    - b. Post-survey:
      - i. Reflect on your original thoughts of AI for yourself:
        - 1. Have you changed your mind on its usefulness?
        - 2. Will you be using AI more to help you develop lessons?
          - a. Why will you not use it?
          - b. How will you use it for your students?
        - 3. Will you use the lessons to teach your students to use it?
        - 4. How will you develop the assignments in your classroom?
        - 5. What other information or classes would you like concerning AI?
        - 6. Was this class relevant to your class?
        - 7. How can I help make this class better for you and your students?
- J. Outcomes and expectations:
  - a. More use in the classrooms by teachers
  - b. A better understanding of the publication given to use from NCDPI
  - c. Lessons to help teachers and students adjust the algorithm on the chatbots
- K. Attendance:
  - a. I am currently working with my curriculum coordinator to get teachers CEU credits.
- L. Collection of Data:
  - a. Lesson plans will be presented and made available to all teachers
  - b. Google Forms for the surveys
  - c. Google form for feedback
- M. Date to Present Professional Development:
  - a. April 2nd: this is the next required work day.

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