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| Title: Ethical Use Of AI | | | |
| Teacher Name: Michael Goldin | | | Duration: 40 minutes |
| Grade Level(s): 9-12 | Subject/Course: AI/Career and Financial Management | | |
| Resources needed:  On-site people, facilities, tools, technology, materials, community connections | * Presentation Slides – *if your district has 1:1 devices, and you’d like to increase the tech use in this lesson, consider using Peardeck to gather student responses.* * Smartboard * Markers/Sharpies * Scrap Paper * Large Post-Its | | |
| Learning Standards: | **Standard 3a: Universal Foundation Skills -** Students will demonstrate mastery of the foundational skills and competencies essential for success in the workplace. | | |
| Big Idea & Authentic Purpose:  Why does this matter to your students?  How will this be helpful to your students? | **AIM**: How can you ethically navigate AI in your education?  *AI matters to students because it impacts their education and careers. This lesson will help students explore how to ethically use AI in their educations and how it may support them in their careers.* | | |
| Type of Career Content   * Career Development/Awareness * Integrated Learning * Universal Foundational Skills * Career Specific | * Universal Foundation Skills | | |
| Relevancy:  How does it connect to students' lives? | AI impacts a variety of aspects of students lives including their education and careers. | | |
| Objective(s): SWBAT...   * analyze an ethical dilemma during the do now and communicate their perspective on the situation with the classmates around them verbally. * create a list of best practices for using AI responsibly in the classroom by brainstorming and collaboratively recording ideas during the activity. * identify an ethical approach to using AI during the course during the exit ticket. | | Assessment(s):   * Ethical dilemma discussion * Class discussion regarding AI * Individual brainstorming at start of activity * AI best practices poster * Exit ticket | |
| Knowledge Construction: How are students going to construct content knowledge and practice it?  Beginning of lesson (5-10 minutes)  **DO NOW**: What should the graphic designer do in the following scenario? Discuss your thoughts with the classmates around you.  A graphic designer is tasked with creating a logo for a new product launch. They find an incredible design online from a medium sized digital design firm. The deadline is tomorrow, and the logo meets all of the client's requests. What should the graphic designer do?   * *With the rapid expansion of AI, students and professionals are facing ethical dilemmas like this on a daily basis. Today, lets explore how you can ethically navigate AI in your educational and professional careers.* | | | |
| Middle of lesson (15 minutes)  **PRESENTATION**:  How have you all used AI in your own lives? *Chatgpt, snapchat, GPS maps, Canva, Grammarly, etc.*  What would you say are some strengths and weaknesses of AI? *Speed, inaccuracy, dynamic, limited, quality*  How could AI help you as a student? *Research tool, tutor, translator*  How could AI harm you as a student (besides getting you in trouble)? *Low quality work, inaccuracy, prevent skill development*   * *So, we know AI is powerful, but isn’t perfect. You are going to continue to encounter it in your life, so let’s reflect and discuss ways that you can engage with this tool ethically.*   **ACTIVITY**: AI Best Practices  Think – Pair – Share: How can you use AI ethically as a student?  Phase 1:   * Independently record 3-5 best practices for the ethical use of AI as a student * Form groups of 2-3 * Share your best practices with your group   Phase 2:   * Decide as a group on your top 5 best practices * Record your top 5 on a large sheet of paper * Hang your paper in the classroom   Phase 3:   * Star your groups favorite best practice * Be prepared to report your favorite best practice * Why is this your group’s favorite?   *Throughout your life and careers, emerging technology will change your daily life. By understanding how to navigate these tools in a thoughtful way will empower you to be successful.* | | | |
| End of lesson (5-10 minutes)  **EXIT TICKET**: Let me know before you go   * How can you ethically use AI in this course?   **HIGHER ORDER THINKING QUESTIONS**:   * Would you change your answer to the do now, graphic designer scenario? Why? * Considering the things we’ve discussed today, what skills do you think will be especially important in you in your future education and career? * “Training a large language model like GPT-3, for example, is estimated to use just under 1,300 megawatt hours (MWh) of electricity; about as much power as consumed annually by 130 US homes.” - reported by the Verge. In the context of climate change, is any AI use ethical? | | | |