

## Lesson Plan | High School

# Generative AI

### Lesson Goal:

Students will learn when using generative AI to help them reach their goals is helpful and when it might violate academic guidelines. They will learn how generative AI can fit in their work while ensuring their work truly is their own.

### Estimated Time:

40-60 minutes (depending on the richness of small group and class discussion)

### Materials and Resources:

- Your school's academic integrity policy.
- Partner with your school's library media specialist, technology team, and administrators to determine if there is a Generative AI platform that you can demonstrate in your classroom or even be granted permission for students to use under your supervision. Be sure to include student and teacher data privacy considerations before selecting the tool.

### Activity Procedure:

1. **Set a goal:** Have your students brainstorm a written list. Is there an upcoming project in your life that would be helpful to organize or create? Some examples:

- School/Job/Athletics/Arts/Activities Schedule
- Plan a get-together with friends, family, or teammates
- Prepare for a long-term school project by breaking up the parts into smaller tasks
- What else is coming up that you have in mind?

2. **Can Generative AI help you reach your goal?:**

- First, define Generative AI for your students: "Generative AI is technology that can create text, images, sounds, and other media that traditionally could only be created by humans." (If you have students who want to dive deeper into the definitions of generative AI, machine learning, and related areas of computer science, share [this video from Google Cloud Tech](#).)
- Next, tell students that Generative AI can help them reach their goals more efficiently, but they have to use it ethically in order to still learn from the experience and meet the expectations of teachers, parents, coaches, and friends. Talk about academic integrity.
  - If your school has an academic integrity policy that covers ideas like plagiarism and copyright, reference it in your discussion.

- Carnegie Mellon University has assembled some examples of generative AI policies for academic integrity. Choose at least one from each category – may NOT use, fully encouraged, may use in some cases but not in others – and ask students to compare and contrast the policies in small groups of two to four students. They can write their answers on chart paper, whiteboards, or shared digital documents to make it easier for groups to take turns presenting their work when they are done.
  - What are the most restrictive guidelines?
  - What are some examples of student choice permitted in the guidelines?
  - Is there anything the different policies have in common?
- Once student groups have presented their findings, facilitate a discussion as a class to help calibrate your students’ understanding of appropriate use of generative AI in school. Talk about their answers to these questions:
  - Which guidelines in the policies would be a good fit for our school culture and expectations? Why?
  - Which guidelines might be too restrictive? Which might not be defined enough? Why?

### 3. Plan for Generative AI Use:

- Choose a goal: In their small groups, have students choose one of their peers’s goals. They will work together to use generative AI to reach that goal.
- What can generative AI do?: As a small group, they will decide how they should use generative AI to move toward reaching that goal while complying with the guidelines they created with you as a class. Have groups get teacher approval on their answers to these questions before moving to the next step.
  - What steps can generative AI help with that will not take away from the important interpersonal elements of the task?
  - How can generative AI make the task less complicated while allowing human creativity to still happen?
- Ask the right questions:
  - Option 1: If your school has not approved the use of a generative AI platform, have students draft the questions they would type into a generative AI tool to help them make progress toward their goal. If the teacher is comfortable, they can demonstrate those prompts in front of the class on their teacher device using a generative AI platform.
  - Option 2: If your school has approved the use of a generative AI platform, have students try out some prompts. How many tries does it take for them to get the information or ideas they need? What did they learn about crafting prompts for generative AI?

### 4. Final Reflection and Discussion:

- Exit Ticket Questions for Students:
  - What did you learn about generative AI today?
  - How might you use generative AI in school or in life to help you?
  - What are the expectations for integrity when you use AI?

**Extension to Parents:** Share what your students learned and encourage parents to reinforce these concepts at home. See [saferinternetday.us/lesson-plans](http://saferinternetday.us/lesson-plans) (<http://bit.ly/2Y84vgF>) for a suggested email template you can adapt.



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