

**Intended Audience:**

Grades 3-5, 6-8

**Learning Standards**

See the end of the doc.

**Lesson Objectives**

Participants will:

Use artificial intelligence to define story elements, analyze elements, create original works of art, and discuss ethic and proper ways to use AI

**Time Needed**

90+ minutes

**Equipment and Supplies**

Internet access, printer would be nice but not necessary

**Prepared by: (Authors)**

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**Writing Skills and AI**

**Background**

Today we’ll create a story and use it using artificial intelligence. As we create this story, we need to think about how AI can help us be creative, but also how it can limit our creativity.

**What to Do**

AI can be used for a lot of different things. We can even use it to help us be more creative. Today, we’ll use it to write and illustrate a short story.

**lesson: Introducing the Activity**

What do you know about AI? What are some large language models that we could use to write a story?

The elements of a short story include: Main character, Setting, Problem, and Theme. We’ll work together to create a prompt for our favorite LLM to write a short story for us. Once we have the story, we’ll decide how to break it up into sections that we can illustrate.

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**lesson: Explaining the Challenge/Activity**

**Step 1: Brainstorm – 25 minutes**

Lets break up into groups of 2-3 and brainstorm. Some things you need to think through are:

- Choose a genre (e.g., science fiction, fantasy, mystery)

- Decide on main character(s)

- Decide on the setting

- Determine the conflict

- Describe the theme

Once you have determined these topics, we need to write out the prompt and put it into AI. It will likely start with:

Tell me a story about… the main character is and they live/visit/do… this story will be… and the theme is…

**Step 2: Editing and Storyboarding – 15 minutes**

You should have a story now. Read through it carefully. Does it follow the path that you wanted? Are there things you want to change? Does the story flow the way you think it should? Copy and paste the story into a word processor like Microsoft Word or Google Docs. Make any edits that you think will make your story better.

**Step 3: Image Creation – 15 - 20 minutes**

Now, reread it, thinking about ways to break it into scenes for your illustrations. As you do that, write down a detailed description of the illustration you want AI to create.

Use Craiyon.ai to generate the image based on the description you wrote. Once you have an image you like, Save the best-generated image to illustrate your story with.

**Step 4: Book Design – 15 - 20 minutes**

Use Book Creator found at app.bookcreator.com to compile your story.

**Digging Deeper - Talk it Over**

We need to reflect on what we just created. Could you have written a similar story using just your own brain? Would it have been better or worse? Should this kind of creation be allowed in schools? How about businesses? Why? Who should decide the answers to these questions?

**lesson: Facilitator notes:**

The reflection is probably the most import part of this lesson. Make sure you budget enough time to talk through this.

**Career Connection**

The following career area(s) connect to this activity:

There are several careers that will allow you to use the skills that you used today. Many businesses are looking for people who are comfortable creating AI prompts and tasks that are designed to improve the success of AI.

1. **AI Engineer:** Develop and implement AI systems for creative applications, including text and image generation. Salary range: $114K - $212K/year.
2. **Machine Learning Engineer:** Focus on creating and improving algorithms for AI-powered storytelling and image generation. Salary range: $126K - $221K/year.
3. **Data Scientist:** Analyze data to improve AI models for storytelling and visual content creation. Salary range: $118K - $206K/year.
4. **AI Product Manager:** Oversee the development of AI-powered creative tools and applications. Salary range: $138K - $238K/year.
5. **Natural Language Processing (NLP) Engineer:** Specialize in improving AI's ability to generate and understand text for storytelling. Average salary: $78,000, potentially increasing to over $100,000 with experience

## ISTE Standards for Students

**Empowered Learner:** Students leverage technology to take an active role in choosing, achieving, and demonstrating competency in their learning goals

**Digital Citizen:** Students recognize the rights, responsibilities, and opportunities of living, learning, and working in an interconnected digital world

**Knowledge Constructor:** Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts, and make meaningful learning experiences for themselves and others.

**Innovative Designer:** Students use a variety of technologies within a design process to identify and solve problems by creating new, useful, or imaginative solutions

**Creative Communicator:** Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats, and digital media appropriate to their goals

## Common Core State Standards (CCSS)

**CCSS.ELA-LITERACY.CCRA.R.1:** Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text

**CCSS.ELA-LITERACY.CCRA.W.3:** Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.

**CCSS.ELA-LITERACY.CCRA.W.6:** Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

## Next Generation Science Standards (NGSS)

1. **Science and Engineering Practices:** Developing and using models; Using mathematics and computational thinking.
2. **Crosscutting Concepts:** Patterns; Cause and effect; Systems and system models.