Centre of Excellence DIGITAL INNOVATION

Overview

In this activity, learners will explore AI capabilities and how to use its tools as a resource within the classroom. Learners are provided an opportunity to utilize an AI tool to generate a short story, and then create illustrations to accompany the story.

What You'll Need

- o Video – Ruff Ruffman, Humble Media Genuis | PBS Kids
- o iPad or Computers with internet
- o Chat GPT account set-up

- o Pencils (1 per student)
- o Drawing materials
- o Paper

Instructions

1. **Discussion**: Introduce the idea of Artificial Intelligence (AI) and explain its capabilities. AI helps us with different things using computers that usually need human intelligence, like understanding what we say, recognizing things or making decisions. AI collects information from text, camera, or a microphone. It then processes the information and gives its best response which may include answering questions, suggestions, or create a story or picture.

2. **Video:** Show Video – Ruff Ruffman, Humble Media Genuis | PBS Kids (18 minutes)

3. **Using AI:** Using Chat GPT demonstrate to students how AI can quickly answer questions. *(This requires creating an account recommended prior to lesson).* Ask students to provide questions or a prompt to show how the computer responds. You can compare responses with both vague and specific examples. The more specific the better. For example:

| Idea 1: Finish this short story: Once upon a time, there was a curious cat named whiskers |
| Idea 2: Create a poem about Whiskers the cat who loved exploring the forest and meeting new friends |
| Idea 3: What is the difference between ragdoll and British shorthair cat? |

4. **Using AI**: After AI answers the provided questions allow students to share their thoughts and questions regarding AI generated responses. Also, you can add follow up questions to the responses for further investigation.

5. **AI Author, Student Illustrator:** Divide the students into partners or small groups and provide them with an iPad, paper, and pencil. Instruct each group to create a plot for a story and input into the AI generator. Ensure to include who, what, when, where, and why.

    For Example:

    > Who – A dog
    > What - Ran
    > When - Yesterday
    > Where – Across New Brunswick
    > Why – To chase a squirel

    For example, "Create a short story for grade 3 students about a dog named Eddy who ran across New Brunswick yesterday trying to chase a squirel. "

    Students will write the AI generated short story onto paper formatting the paper into a story book. After the story has been written, provide students with drawing materials to create illustrations to accompany the AI created story. After the stories are written and illustrated, provide students an opportunity to share their creations with the class. Note: Students can create illustrations to accompany the AI generated story without writing the words on the pages.

6. **Extension:** Explore AI graphic generators such as CoPilot, Midjourney, and StableDifusion to see AI image creations. As a full class, or in small groups students can see how these websites create images alongside a story.

7. **Share:** Feel free to send photos of your class completing this learning activity to us via Twitter: @NBCOE or email: COE@gnb.ca.

8. **Notes for teachers:**
    - Prior to beginning this lesson, it is recommended to create a Chat GPT account. This includes your email and creating a password.
    - The more specific and concise the input information is, the better output response
    - Ensure to add in grade level for appropriate language
    - You can add specific instructions such as make it rhyme, be silly, serious, funny, etc., if desired.

Digital Literacy Framework

Digital Citizenship: Students recognize the rights, responsibilities, and opportunities of living, learning, and working in an interconnected digital world, and they act and model in ways that build the common good.

Cross-Curricular Outcomes

English Language Arts	**Strand**: Reading – **Big Idea**: Reading Comprehension **Strand**: Interactions – **Big Idea**: Expression
Visual Arts	**Strand:** Create – **Big Idea:** Application and Product