

## Lesson Plan: Demonstrating the Evolving Nature of Technology with Bard's Latest Updates

**Subject:** Computer Science, Technology Studies, or General Science

**Grade Level:** 6th-12th grade (adaptable based on complexity)

### Learning Objectives:

- Students will identify and describe recent updates to Bard, a large language model from Google AI.
- Students will analyze how these updates demonstrate the evolving nature of technology.
- Students will discuss the potential benefits and challenges of rapidly advancing technology.
- Students will create a project showcasing their understanding of Bard's capabilities and the implications of AI progress.

### Materials:

- Computers with internet access
- Projector or whiteboard
- Handouts with lesson plan outline and discussion prompts
- Optional: Materials for project creation (e.g., paper, markers, coding software)

**Lesson Duration:** 60-90 minutes (adaptable based on class time and project depth)

### Lesson Steps:

#### Introduction (10 minutes):

- Begin by asking students to share their understanding of technology and how it has changed over their lifetimes.
- Briefly introduce Bard as a large language model and explain its current capabilities (e.g., question answering, creative writing, code generation).
- Connect back to the discussion by highlighting how Bard represents the rapid evolution of technology, especially in the field of artificial intelligence.

#### Bard's Latest Updates (20 minutes):

- Divide students into small groups and assign each group an article detailing a recent Bard update (see the list below for suggestions).
- Allow students time to read and discuss the article within their groups, focusing on key

points like the specific update, its functionality, and potential implications.

- Have each group present their findings to the class, sparking a discussion about the overall advancements and trends observed in Bard's development.

### **Evolving Technology Analysis (20 minutes):**

- Using the information presented and discussed, lead a class analysis of how Bard's updates exemplify the evolving nature of technology.
- Encourage students to consider themes like:
  - Increasing speed and accuracy of AI tasks
  - Expanding capabilities and functions
  - Blurring the lines between human and machine intelligence
  - Ethical considerations and potential challenges of AI development

### **Project Creation (20-30 minutes):**

- Based on their understanding of Bard's capabilities and the discussed implications, students will create a project demonstrating their learning.
- Project ideas could include:
  - Writing a news article or blog post about Bard's latest updates and their impact on society.
  - Creating a comic strip or short video depicting a scenario where Bard plays a central role.
  - Designing a prototype for a future application or service powered by Bard technology.
  - Writing a letter to policymakers or AI developers urging responsible development and ethical considerations.

### **Wrap-up and Reflection (10 minutes):**

- Share students' projects with the class, allowing time for feedback and discussion.
- Conclude by reflecting on the lesson's key takeaways about the evolving nature of technology and the importance of understanding its implications.
- Encourage students to stay informed about technological advancements and engage in thoughtful discussions about how AI should be developed and used responsibly.

### **Additional Resources:**

- **Bard's Latest AI Capability Updates & Improvements:**  
<https://blog.google/technology/ai/bard-google-ai-search-updates/>
- **Bard Updates: The Latest Bard News and AI features:** <https://bard.google.com/>
- **Google Bard expands access to teenagers, offering advanced math assistance and data visualization features:**  
<https://www.cnet.com/tech/google-opens-up-its-bard-ai-tool-to-teenagers-around-the-world/>

- **Bard can now connect to your Google apps and services:**  
<https://blog.google/technology/ai/google-bard-updates-io-2023/>

### **Differentiation:**

- For younger students, simplify the discussion of AI and focus on practical applications of Bard's capabilities.
- For advanced students, delve deeper into the technical aspects of Bard's updates and encourage critical analysis of AI ethics and societal impact.

### **Assessment:**

- Observe and evaluate students' participation in group discussions and project presentations.
- Assess the creativity, accuracy, and depth of understanding demonstrated in student projects.
- Encourage self-reflection through exit tickets or short writing prompts about the key takeaways from the lesson.

By incorporating Bard's latest updates into this lesson plan, you can provide students with a engaging and relevant learning experience that sparks their curiosity and deepens their understanding of the rapidly evolving world of technology. Remember to adapt the lesson according to your students' age, knowledge level, and available resources to maximize its effectiveness.

I hope this provides a helpful framework for your lesson! Feel free to adapt and modify it based on your specific needs and teaching style.