



**THE  
EDUCATION  
FUND 40 YEARS**

FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

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**Ideas with**

# **IMPACT**

**TECHNOLOGY IN THE CLASSROOM**

**Unlocking the Potential  
of Adobe AI**

**IDEA PACKET SPONSORED BY:**



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## Welcome Message

Are you ready to transform your classroom into a dynamic, engaging learning space? Join us for a professional learning session where we'll explore the exciting world of AI and Adobe Express.

Discover how to:

- Harness the power of AI to enhance your teaching
- Create stunning visuals and interactive content with Adobe Express
- Inspire creativity and critical thinking in your students

Whether you're a seasoned tech expert or just starting your digital journey, this session is for you. Let's unlock the potential of technology together!

## Mission Statement

To empower educators and students to create innovative, engaging, and personalized learning experiences by harnessing the combined power of Adobe Express and AI, transforming classroom projects, assessments, and environments into dynamic spaces for creativity and critical thinking.

## Objective

To develop and implement a comprehensive professional development program that equips educators with the knowledge and skills to effectively integrate Adobe Express and its AI capabilities into their classroom practices, resulting in enhanced student engagement, creativity, critical thinking, and overall academic achievement.



## Goals for this Professional Learning Experience

1. **Enhance Digital Literacy:** Equip educators with the skills to effectively integrate Adobe Express and AI tools into their teaching practices.
2. **Foster Creative Pedagogy:** Inspire teachers to develop innovative and engaging learning experiences using AI-powered design tools.
3. **Promote Student-Centered Learning:** Empower educators to create student-centered projects that leverage AI to personalize learning.
4. **Build a Collaborative Learning Community:** Foster a network of educators who share best practices and resources related to AI and design.
5. **Measure and Evaluate Impact:** Assess the effectiveness of the project in improving teaching and learning outcomes through the use of Adobe Express and AI.

## Curriculum Areas

This professional learning session will explore the transformative potential of Adobe Express and its AI capabilities for educators across all grade levels and subject areas. Participants will discover how these tools can be leveraged to enhance student engagement, creativity, and critical thinking skills. By providing practical examples and strategies, the session will demonstrate the versatility of Adobe Express and AI in supporting diverse learning objectives and student needs.

## Standards

- **MA.K12.MTR.1.1:** Actively participate in effortful learning both individually and collectively.
- **MA.K12.MTR.2.1:** Demonstrate understanding by representing problems in multiple ways.
- **MA.K12.MTR.6.1:** Assess the reasonableness of solutions.
- **ELA.K12.EE.3.1:** Make inferences to support comprehension.
- **ELA.K12.EE.5.1:** Use the accepted rules governing a specific format to create quality work.

# Course Outline

## Morning Session

- **Welcome and Introduction**
  - Overview of the session's objectives
  - Ice breaker activity: Sharing experiences with technology in the classroom
- **Understanding AI in Education**
  - Defining AI and its applications in education
  - Benefits of AI for students and teachers
  - Ethical considerations and responsible AI use
- **Adobe Express: A Comprehensive Overview**
  - Introduction to Adobe Express and its core features
  - Hands-on exploration of the platform and teaching assistance
  - Sharing examples of creative projects created with Adobe Express

## Break

## Afternoon Session

- **Harnessing the Power of AI in Adobe Express**
  - Introduction to AI-powered features in Adobe Express
  - Demonstrations of AI tools for image generation, text generation, and design assistance
  - Hands-on practice with AI tools
- **Integrating AI and Adobe Express into Classroom Practice**
  - Differentiated learning experiences using AI and Adobe Express
  - Creating engaging assessments and projects
  - Building a digital portfolio with Adobe Express
- **Case Studies and Best Practices- Creating an About Me Image**
  - Sharing examples of successful AI and Adobe Express implementation using an About Me practice page
  - Group discussion and Q&A

### **Key Takeaways:**

- **Understanding the potential of AI in education**
- **Proficiency in using Adobe Express and its AI tools**
- **Practical strategies for integrating AI and Adobe Express into classroom instruction**
- **Inspiration for creating engaging and innovative learning experiences**

**Note:** Throughout the session, participants will have opportunities for hands-on activities, collaboration, and sharing ideas. Providing access to devices with Adobe Express installed will enhance the learning experience.

## **Materials**

- **Whiteboard**
- **Computer or Laptop**
- **Internet Access**
- **[www.adobe.com/express/](https://www.adobe.com/express/)**

# Sample Lesson Plans Samples for Elementary, Middle, and High School Levels

## 3rd Grade Classroom:

**Lesson Plan: Creating Digital Informational Texts with Adobe Express**

**Objective:**

Students will create an informative digital poster about a chosen animal using Adobe Express, demonstrating their ability to research, organize information, and effectively communicate using digital tools.

**Standards:**

- **LAFS.3.W.3.7: Conduct research to learn about a topic.**
- **LAFS.3.W.3.8: Recall information from experiences or gather information from print and digital sources to generate ideas and create text.**
- **LAFS.3.W.3.9: Draw and label parts of a diagram to represent information.**

**Materials:**

- **Computers or tablets with access to Adobe Express**
- **Animal research materials (books, articles, websites)**
- **Large paper or whiteboard for brainstorming**
- **Markers or crayons**

**Key Questions:**

- What are the key characteristics of an informative text?
- How can technology help us learn about animals?
- How can we use visuals to make our information interesting?

**Procedures:****Introduction (15 minutes):**

- Begin by discussing animals and what students already know about them.
- Introduce Adobe Express as a tool for creating digital projects.
- Show students examples of informative posters created with Adobe Express.

**Research (20 minutes):**

- Divide students into small groups.
- Assign each group an animal to research.
- Provide students with research materials or access to online resources.
- Guide students in gathering information about their chosen animal (habitat, physical characteristics, diet, etc.).

**Planning and Organizing (15 minutes):**

- Bring students together as a class to discuss key information gathered about their animals.
- Introduce the concept of a main idea and supporting details.
- Guide students in creating a simple outline or graphic organizer to organize their information.

**Creating with Adobe Express (45 minutes):**

- Introduce students to the basic features of Adobe Express, focusing on text, images, and layout.
- Provide step-by-step instructions on how to create a digital poster.



- **Guide students in selecting appropriate images, writing informative text, and designing their posters.**
- **Encourage creativity and experimentation with different design elements.**

**Sharing and Reflection (15 minutes):**

- **Have students share their completed posters with the class.**
- **Facilitate a class discussion about the effectiveness of the posters in informing others about the animals.**
- **Ask students to reflect on their learning experience and the benefits of using Adobe Express.**

**Assessment:**

- **Observe students' participation in group work and research activities.**
- **Evaluate the content accuracy and organization of students' posters.**
- **Assess students' ability to use Adobe Express effectively to create a visually appealing and informative product.**
- **Collect student reflections on the learning experience.**

**Differentiation:**

- **Provide additional support for struggling students by offering more structured guidance and templates.**
- **Challenge advanced students by encouraging them to incorporate additional elements, such as videos or audio, into their posters.**

## 7th Grade Classroom:

### **Lesson Plan: Understanding the Bill of Rights Through Adobe Express**

#### **Objective:**

**Students will create a digital infographic using Adobe Express to visually represent a chosen amendment from the Bill of Rights, demonstrating their understanding of its meaning and importance in a democratic society.**

#### **Standards:**

- **SS.7.C.1.1: Define and provide examples of limited government, popular sovereignty, individual rights, and representative government.**
- **SS.7.C.1.2: Analyze the significance of the Declaration of Independence, the Articles of Confederation, and the Constitution of the United States.**
- **LAFS.7.W.3.7: Conduct research to locate information from various sources, including print and digital texts.**

#### **Materials:**

- **Computers or tablets with access to Adobe Express**
- **Copies of the Bill of Rights**
- **Large paper or whiteboard for brainstorming**
- **Markers or crayons**
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#### **Key Questions:**

- **What is the Bill of Rights, and why is it important?**
- **How can technology help us understand complex information?**
- **How can we visually represent ideas and information?**

**Procedures:****Introduction (15 minutes):**

- **Begin by reviewing the concept of rights and freedoms.**
  - **Introduce the Bill of Rights as a foundational document protecting these rights.**
  - **Explain the purpose of an infographic and how it can be used to communicate information visually.**
- Introduce Adobe Express as a tool for creating engaging infographics.**

**Exploring the Bill of Rights (20 minutes):**

- **Divide students into small groups.**
  - **Assign each group a specific amendment from the Bill of Rights.**
  - **Provide students with copies of the Bill of Rights and additional resources for research.**
- Guide students in understanding the meaning and implications of their assigned amendment.**

**Planning the Infographic (15 minutes):**

- **Bring students together to share their understanding of their assigned amendments.**
- **Discuss the key elements that should be included in an infographic (title, visuals, text, etc.).**
- **Guide students in brainstorming ideas for their infographics, considering the target audience and the message they want to convey.**

**Creating Infographics with Adobe Express (45 minutes):**

- **Introduce students to the basic features of Adobe Express,**
  - **focusing on text, images, and layout.**
  - **Provide step-by-step instructions on how to create an infographic.**
  - **Guide students in selecting appropriate images, writing clear and concise text, and designing visually appealing infographics.**
- Encourage creativity and experimentation with different design**

elements.

**Sharing and Reflection (15 minutes):**

- Have students share their completed infographics with the class.
- Facilitate a class discussion about the effectiveness of the infographics in communicating information about the Bill of Rights.
- Ask students to reflect on the process of creating an infographic and how it helped them understand the Bill of Rights better.

**Assessment:**

- Observe students' participation in group discussions and research activities.
- Evaluate the accuracy and depth of information presented in the infographics.
- Assess students' ability to use Adobe Express effectively to create visually appealing and informative infographics.
- Collect student reflections on the learning experience.

**Differentiation:**

- Provide additional support for struggling students by offering simplified templates and more structured guidance.
- Challenge advanced students by encouraging them to incorporate multimedia elements or conduct further research on their amendment.

**12th Grade Classroom:****Lesson Plan: Visualizing Calculus Concepts with Adobe Express and AI****Objective:**

Students will create dynamic visual representations of calculus concepts using Adobe Express and its AI tools, demonstrating their understanding of key principles and their ability to communicate mathematical ideas effectively.

**Standards:**

- [Specific Calculus Standards related to graphing, functions, and limits]

**Materials:**

- Computers or tablets with access to Adobe Express
- Calculus textbooks or online resources
- Whiteboard or projector for demonstrations

**Key Questions:**

- How can technology enhance our understanding of calculus concepts?
- How can visual representations be used to explain complex mathematical ideas?
- What are the potential applications of calculus in real-world situations?

**Procedures:****Introduction (15 minutes):**

- **Begin by reviewing key calculus concepts (e.g., limits, derivatives, integrals).**
- **Discuss the importance of visual representations in understanding mathematical concepts.**
- **Introduce Adobe Express and its AI tools as a powerful tool for creating dynamic visuals.**

**Exploring Calculus Concepts (20 minutes):**

- **Divide students into small groups.**
- **Assign each group a specific calculus concept (e.g., the derivative as a slope, the definite integral as area under a curve).**
- **Guide students in reviewing the concept and identifying key elements to be included in their visual representation.**

**Creating Visualizations with Adobe Express (45 minutes):**

- **Introduce students to relevant Adobe Express features (e.g., graphs, charts, animations, AI image generation).**
- **Demonstrate how to use AI tools to create visuals related to calculus concepts (e.g., generating images of functions, creating interactive graphs).**
- **Provide students with time to create their visualizations, incorporating the assigned calculus concept.**
- **Encourage experimentation with different design elements and AI tools.**

**Sharing and Analysis (25 minutes):**

- **Have students share their visualizations with the class, explaining the underlying calculus concept.**
- **Facilitate a class discussion on the effectiveness of the visualizations in communicating mathematical ideas.**
- **Encourage peer feedback and suggestions for improvement. Analyze the strengths and weaknesses of different visualization approaches.**

**Assessment:**

- Evaluate the accuracy and depth of understanding demonstrated in the visualizations.
- Assess students' ability to use Adobe Express and its AI tools effectively.
- Evaluate the creativity and originality of the visual representations.
- Collect student reflections on the learning experience and the benefits of using technology to explore calculus concepts.

**Differentiation:**

- Provide additional support for struggling students by offering step-by-step guidance and simplified tasks.
- Challenge advanced students by encouraging them to explore more complex calculus concepts and incorporate advanced AI features.