

## Google Apps Collaborative Project for Elementary Kindergarten

**Overview:** In this project, you will use 4 different Google apps to create an interdisciplinary thematic unit for Primary to Elementary grade students. Below, we have created a sample first grade unit on **Weather**. This shows the kinds of activities you might create for this project. Click the links in the Google App column to view the final products that are part of this unit. Read over the entire unit and familiarize yourself with the types of activities and learning standards they support.

Instructor feedback: Wonderful work, ladies! I can tell that each of you spent a great deal of time putting this lesson together. The alignment of each activity complemented one another and the assessment is age appropriate and very engaging for your student population! The presentation offers an abundance of information and I like that you added an interactive part at the end. The images and color scheme of the presentation are also attractive for the population you are working with. The google document activity that your group created is a good way to extend the lesson from the presentation to an active way of learning the material. Your group provided a creative way to use google sheets while keeping students engaged. The YouTube video provided as an extension led to a broken link but a simple fix. All requirements met and loved the project your team created!

Google App	Activities	Subject Area	Ohio Learning Standard	Ohio Technology Standard
<a href="#">Google Slides</a>	<p>As a whole group, the teacher will present the Google slides on the SmartBoard to introduce students to the physical traits animals need to live in their environments.</p> <p>Ask for student volunteers to give answers to questions in the slide show.</p>	Science	<p>K:Weather Patterns and Seasons</p> <p>Identify seasons and the different weather found in each.</p>	<p>Grades K-2 Strand:Knowledge Constructor Technology 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.</p>

<a href="#">Google Docs</a>	First, students will watch an informational video about the season and its weather changes. Then, to reflect, students will do the front and back of the worksheets once seasons and types of weather are covered. The front will consist of filling in the blank with the weather that matches best according to the photo beside it. Then, they will do the back and connect each season with the photo that matches best by drawing a line.	Science	<p>K: Weather Patterns and Seasons</p> <p>Identify seasons and the different weather found in each.</p>	<p>Grades K-2</p> <p>Strand: Computational Thinker- Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.</p> <p>Topic: break problems into component parts, extract key information, and develop descriptive models to understand complex systems or facilitate problem-solving.</p>
<a href="#">Google Sheets</a>	Each student will choose their favorite season. They will also give a brief explanation as to why. We will compare the different seasons as well. Once that is done, we will create a table and pictograph together that match the results.	Science	<p>K: Weather Patterns and Seasons</p> <p>Observe the differences in weather changes and compare them.</p>	<p>Grades K-2</p> <p>Strand: Computational Thinker - Collect data or identify relevant data sets, use digital tools to analyze them, and represent data in various ways to facilitate problem-solving and decision-making.</p>
<a href="#">Google Forms</a>	After completing the above activities and viewing the slideshow, students will take a math test. This test requires	Math	K: Add and subtract within numbers 1-20	Grades K-2

	students to count several featured elements (such as clouds, seasonal apparel, etc.) of the four seasons to solve worded number problems.		Use addition and subtraction within 1-20 to solve word problems.	Strand: Information and Communications Technology Topic 3: Use visuals found in digital learning tools and resources to clarify and add to knowledge.
--	---	--	--	---

**Extension:** Using the SmartBoard, display the YouTube video, [Animals for Kids](#). Ask students to guess the animals and to make the animal sounds with the video.

**Differentiation:** Slow readers and ESL students will be given access to the Read&Write Chrome extension and use the Play button to have the text read aloud. All students will be shown how to use the Read&Write picture dictionary to look up words they may not know.