Clouds

1. Question & Research Task

Think about what you know about **clouds**!

Did you know clouds are made up of tiny droplets of water? We are going to learn more about clouds together!

Did you know there are four major **types** of clouds? You will research each type of clouds using Pebble Go!

Figuring out what type of cloud you are looking at can help you **predict** the **weather**.

Image Source: Clipart.com

**Your teacher/librarian will give you the database login if needed.

In this Slam Dunk, you will conduct brief, focused research to respond to the inquiry question:

How can clouds help us predict the weather?

2. Information Sources

Provide background knowledge of clouds by modeling note taking strategies for PebbleGO.
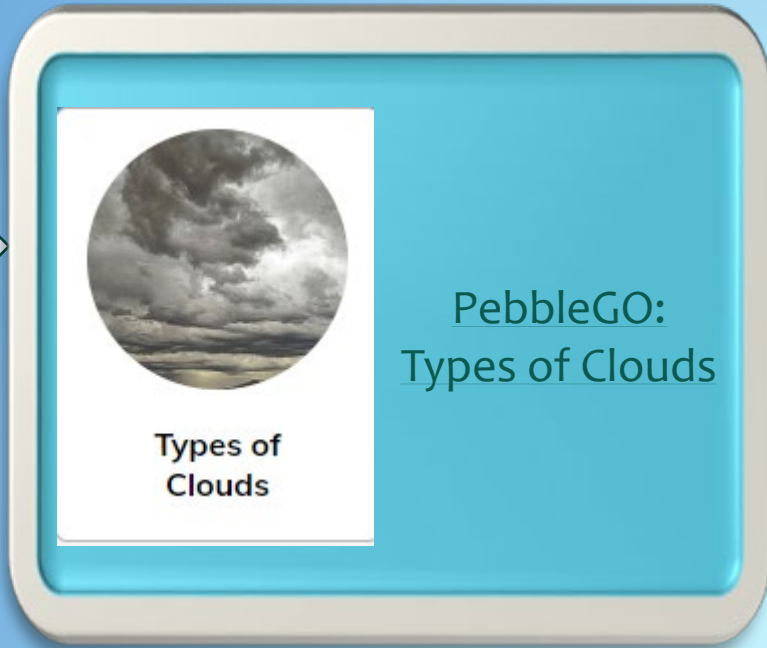
Use this note-taking sheet to write facts about clouds.

PebbleGO:
What Are Clouds?

Name: _____

"What are Clouds" Note-Taking Sheet

Heading	What did I learn? Use pictures/labels or sentences
What are they?	
Precipitation	
Clouds and Weather	
Cloud Colors	
Fun Facts	

3. Student Activity

Click Here

PebbleGO:
Types of Clouds

Types of
Clouds

Cumulus

Cirrus

Stratus

Nimbus

Pick a **type of cloud** you would like to re-create by learning about them on Pebble Go.

Include a **picture of your cloud** and the type of **weather it predicts** on the **cloud note-taking sheet**.

Name: _____

Cloud Types Note-Taking Sheet

Name of Cloud	Description/Picture What does it look like?	What it Predicts Types of weather: sun, rain, storm
Cumulus		
Cirrus		
Stratus		
Nimbus		

4. Assessment Activity

How can clouds help us predict weather?

Look at your note taking sheet from last class. Choose your favorite type of cloud!

You will now create your favorite type of cloud. Use cotton balls to form the cloud.

Complete the sentence starter and attach it to your finished cloud creation.

I made a _____ cloud.

It predicts _____.

Image Source: Wikipedia

5. Enrichment Activities

Click the pictures to learn more about clouds!

**Your teacher/librarian will give you the database login if needed.

Image Source: TumbleBooks

Magic School Bus- Kicks Up a Storm

Image Source: Discovery Education

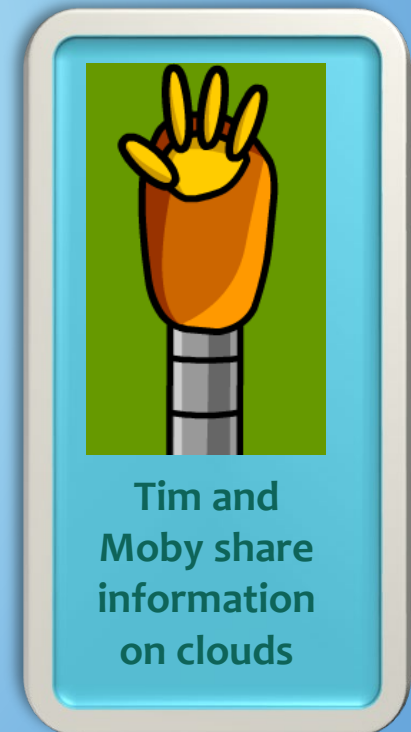Tim and Moby share information on clouds

Image Source: BrainPOP Jr.

6. Teacher Resources

Learning Standards Alignment

BCPS Curriculum / Maryland State Curriculum

1.0 Skills and Processes. Students will demonstrate the thinking and acting inherent in the practice of science. A.1. Raise questions about the world around them and be willing to seek answers to some of them by making careful observations and trying things out. b. Seek information through reading, observation, exploration, and investigations.

Common Core State Standards

C.C.1.R1.1.5 Know and use various text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text.
C.C.1.R.1.1.6.Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.
C.C.1.R.1.1.7 Use the illustrations and details in a text to describe its key ideas.
C.C.1.R.1.1.10 With prompting and support, read informational texts appropriately complex for grade 1.

AASL Standards

1.B.1 Learners engage with new knowledge by following a process that includes using evidence to investigate questions.
1.B.2 Learners engage with new knowledge by following a process that includes devising and implementing a plan to fill knowledge gaps.
1.B.3 Learners engage with new knowledge by following a process that includes generating products that illustrate learning.

Grade 1 Library Media

Objective: Students will be conduct brief, focused research on various types of clouds in order to describe similarities, differences and the type of weather they predict.

Time Frame: Three 50-minute class periods

Differentiation strategies for this lesson:

- Have students use learning supports provided in any BCPS Digital Content in the Apps Portal included in this lesson.
- Refer to Digital Content Snapshot/Support pages as needed.
- Print out resources on Slides 2, 3, and 4 prior to instruction if needed.

Notes to the teacher:

- Access all digital content through the BCPS Digital Content in the Apps Portal .
- Consider using the Schoology Assignment Apps feature to assign Google documents and files for students to access, edit, and submit through Schoology.
- Direct links to PebbleGO, TumbleBooks, BrainPOP, and BrainPOP Jr. will not work in the PowerPoint version of this Slam Dunk; however, they will work in the PDF version. If you wish to personalize this Slam Dunk, make your modifications in PowerPoint and then save your changes as a PDF. Students should view this Slam Dunk as a PDF.
- Discovery Education and Safari Montage videos may require students to log in.
- Slide 4- Blue construction paper, cotton balls and glue will be needed for students to complete their cloud replication. Students will need a paper copy of the sentence starter to complete.