

GRADE
2

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KidoodleTV™



Science & Social Studies

Kidibli:
Let's learn about aviation!

Curriculum Connection:

Science:

This lesson delves into the properties of air and their influence on flight. Students explore the principles of aerodynamics, motion, forces, and gravity as they relate to aviation. By identifying the components of flight and understanding how different types of planes operate, students reinforce their grasp of fundamental scientific concepts.

Social Studies:

This lesson spotlights key historical figures and events in aviation history. Students delve into the journeys of pioneers like Louis Bleriot, fostering an appreciation for historical context and innovation. By examining how aviation revolutionized travel and communication, students connect the dots between technological advancements and their societal impact, contributing to a broader understanding of historical developments.

Learning Goals:

Science:

- Students will explore the properties of air and how they influence flight, fostering an understanding of basic aerodynamics.
- Students will recognize the fundamental principles of motion, forces, and gravity, as they relate to flying objects.

Social Studies:

- Students will identify key figures in aviation history, such as Louis Bleriot, and comprehend their contributions to aviation advancements.
- Students will understand how aviation has transformed travel and communication throughout history.



[Play episode](#) 

Scan to watch
the episode.



Materials:

S01E07

Access this episode free on:

KidoodleTV™



Play episode 

Kidibli

Let's learn about aviation

Lesson Supplies:

- ☒ **Kidibli: S01E07**
Let's learn about aviation
- ☐ **Open space**
(gymnasium or outdoor area)
- ☐ **Different types of paper** (printer paper, construction paper, etc.)
- ☐ **Measuring tape**
or a long ruler
- ☐ **Rulers**
- ☐ **Aviation word search**
(provided) – one for each student
- ☐ **Clear tape**

Lesson:



Introduction:

Begin by discussing with students their prior knowledge about airplanes. Encourage them to share their experiences with flying or their understanding of how airplanes work. Explain that this lesson will explore the fascinating world of aviation, focusing on various types of planes, airplane parts, and the principles of flight.

Viewing the Episode with Kidi Quiz:

Gather the students and play Kidoodle.tv's Kidibli episode "Let's Learn About Aviation." Pause the episode after Kidi asks each quiz question, allowing students to make guesses before revealing the answers. Encourage participation and engagement.

Discussion and Exploration:

After watching the episode, initiate a class discussion using the following prompts:

- What is air traffic control, and why is it important?

- What are the roles of different types of planes mentioned in the episode?
- Can anyone tell me about the A380, the largest plane in the world?
- What are some parts of an airplane and their roles?
- What are the four aspects of flying mentioned in the episode? (speed, altitude, inclination, direction)
- Who are the pilot, co-pilot, and flight crew, and what are their responsibilities?
- Can anyone share a brief history of who flew the first plane?
- Why is it important to do safety checks on an airplane before flying?

Hands-On Activity: Paper Airplane Creations:

Provide students with paper, markers, and tape. Instruct them to design and craft their paper airplanes using simple shapes and labels, considering what they learned about airplane parts.

Encourage creativity and assist as needed.

Flight Testing and Data Collection:

Move to an open space and allow each student to launch their paper airplane. Measure and record flight distances. Engage students in discussing why some planes flew farther than others, linking their observations to concepts from the lesson.

Aviation-Themed Word Search Activity:

Distribute copies of the aviation-themed word search. Guide students through the activity, helping them find and circle words related to aviation.

[Play episode](#)



Reflection and Conclusion:

Conduct a brief class discussion on the day's activities and what the students learned about aviation.

Emphasize the importance of curiosity, learning, and safety when exploring new ideas.

Extension:

Build on the lesson's aviation terminology by playing an Aviation Vocabulary Bingo game. Create bingo cards with aviation-related words such as "airplane," "pilot," "wings," "takeoff," and "altitude."

As you call out definitions or descriptions of the words, students mark off the corresponding term on their bingo cards. This activity helps solidify their understanding of aviation terminology in an interactive and fun way, promoting both comprehension and vocabulary development.

Assessment

To assess students' understanding in this lesson, consider a multi-faceted approach that encompasses various activities and interactions.

Engage in ongoing formative assessment during **class discussions** and the Kidi Quiz, noting students' participation and responses to gauge their grasp of aviation concepts.

Observe their creativity and application of knowledge as they design and construct paper airplanes, paying attention to how well their designs reflect their understanding of airplane parts and flight principles. During the flight testing phase, evaluate their ability to connect their observations with the principles they've learned. Additionally, review their completed aviation-themed word searches to ensure they can identify and understand relevant terms.



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