

Lesson Plan

Defining Drones

Book: *All About Drones*

Series: Cutting-Edge Technology

Level: Navigator

Objective

To help students determine the meanings of words used in a text through a variety of methods, including using a glossary and examining the surrounding context.

Supplies

- *All About Drones*
- Whiteboard
- Paper and pencils
- Dictionary (or online dictionary, such as <http://www.merriam-webster.com/>)

Before the Activity

Read through the *All About Drones* book, or assign it to students to read on their own. Write the following words on the whiteboard:

1. aerial
2. aloft
3. civilians
4. coordinates
5. drone
6. glider
7. helicopter
8. microdrone
9. multicopter
10. pitch
11. restrict
12. roll
13. surveillance
14. throttle
15. yaw

Activity

Have each student copy the list of words onto a sheet of paper. They should write out a definition for each word. Some words appear in the book's glossary, and some are explained or defined in the text. For some words, the students will need to use the context to determine the word's meaning. Remind students that some of the words (such as helicopter, pitch, and roll) may have more than one meaning. For these words, the students should make sure that the definitions they write fit the way these words are used in the text. If needed, students can consult a dictionary (or online dictionary) to create their definitions. However, they should write out each definition in their own words.

Evaluation

Using the attached answer key, give students one point for each word they correctly define.

Standards

This lesson may be used to address the Common Core State Standards' writing standards, grades 5 and 6 (RI 5.4; RI 6.4).

Answer Key

1. aerial: taking place in the air (glossary)
2. aloft: up in the air (glossary)
3. civilians: people who are not part of the military (context p. 9)
4. coordinates: a set of longitude and latitude numbers used to find a location (glossary)
5. drone: an aircraft that can fly without a human pilot on board (p. 7)
6. glider: a drone that looks like a typical airplane with two wings and a tail (p. 11)
7. helicopter: a drone that has propellers or rotors pointed vertically (p. 12)
8. microdrone: a very small drone (context p. 8)
9. multicopter: a drone with three to eight rotors (p. 12)
10. pitch: movement that tilts the drone forward or backward (p. 16)
11. restrict: to prevent or not allow (context p. 23)
12. roll: movement that tilts the drone left or right (p. 16)
13. surveillance: the act of watching an area closely (glossary)
14. throttle: movement that controls the drone's up-and-down movement (p. 17)
15. yaw: movement that rotates the nose of the drone left or right (p. 17)