

Franklin Jr./Sr High School Reading Article

Drone Invasion

Reading Strategy for the Article: Students will take turns reading aloud. Mark the text and write in the margins

870 L (video: <http://www.cbsnews.com/news/the-drone-invasion-now-underway/> (8:50))

Instructions: COMPLETE ALL QUESTIONS AND WRITE NOTES in the margin box. This requires reading of the article more than once.

Step 1: Skim the article using these symbols as you read:

(+) agree, (-) disagree, (*) important, (!) surprising, (?) wondering

Step 2: Number the paragraphs. **Read** the article **carefully** and **make notes in the margin**.

Notes should include:

- Comments that show that you **understand** the article. A summary or statement of the main idea of important sections may serve this purpose.
- Questions you have that show what you are **wondering** about as you read
- Notes that differentiate between **fact** and **opinion**.
- Observations about how the **writer's strategies** (organization, word choice, perspective, support) and choices affect the article.

Step 3: A final quick read noting anything you may have missed during the first two reads.

Your margin notes will be assessed by your teacher along with your answers to the questions.

The Drone Invasion Now Underway

Newscast: <http://www.cbsnews.com/news/the-drone-invasion-now-underway/> (the article is listed as a transcript, but it adds more information. Use it if you wish.

Look ... UP IN THE SKY! Not a bird, not a plane ... it's a drone! Drones are everywhere, so much so that the Department of Transportation will announce a registration requirement for private drone ownership. It's expected to go into effect by Christmas. Of course, by then a lot more drones will be flying.

Colorado farmer Greg Schreiner has a good eye for a good ear of corn. "In my opinion, that's a beautiful ear," he said, pulling off the husk. This summer, his crops got help from a rather non-traditional farm implement: a drone -- a remote-controlled, flying robot with a camera.

Its pictures revealed a corn crisis: a dead zone that wasn't getting irrigated right in the middle of the field. "Most of the field was green, and that was kind of a brownish black," Schreiner said. "We walked out into the field, walked into that area, found out that seven nozzles were clogged, which meant we weren't getting water on 37 acres. If we would have let it go, the potential was pretty huge for a loss."

That drone came from a company called Agribotix. "We're selling drones as fast as we can make them," said its founder, Tom McKinnon. We've come a long way from military drones. Now there's a new crop of small, sophisticated drones that

Notes on my thoughts, reactions and questions as I read.

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anyone can fly, and they're transforming all kinds of fields -- not just cornfields. Filmmakers and photographers use them; they can get aerial shots where helicopters dare not go. Engineers use them to inspect utility lines and pipelines far away. Realtors take video of houses for sale -- and even fly through them. Law enforcement uses them to patrol borders. A Belgian student even designed an ambulance drone that can deliver emergency equipment.

So how hard are they to fly, exactly? "Really simple," Randy Slavin, who owns an aerial cinematography company called Yeah Drones, told Pogue. "Even you can fly it." Slavin, who is also the founder of the New York City Drone Film Festival, gave Pogue a little Driver's Ed with his \$3,000 drone. Nothing to it!

So, drones ARE awesome! Drones ARE easy to fly! Drones ARE changing the world for the better!

Right?

Well, most of the time.

Drones also make headlines for the wrong reasons.

Five people were injured when a drone crashed into the crowd at the U.S. Open.

A drone crashed into a tree on the South Lawn of the White House.

And there have been more than a dozen cases of drones disrupting firefighting efforts.

Drones pose new risks for firefighters battling California wildfires ("CBS Evening News," 08/11/15)

Another drone crashes on White House grounds ("CBS This Morning," 10/09/15)

Scare at U.S. Open as drone crashes into stands

They also make frightening flying weapons.

Is teen's homemade "flying gun" illegal? ("CBS This Morning," 07/23/15)

And maybe scariest of all: drones could get in the way of airplanes.

Sharp rise in close calls between drones and planes ("CBS This Morning," 08/13/15)

Clearly, there's a battle brewing. On one side, people who are excited about the enormous potential of drones; on the other, people who worry about noise, privacy and safety.

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Comprehension questions – answers may be in phrases.

1. *List three basic concerns of drone usage.*
2. *How might military drones be used? List at least two methods. (Based your answer on inference.)*
3. *Define **implement** as used in the text.*
4. *List three traits used in the text to describe a drone.*
5. *Define **brewing** as used in the text.*

Answer each question in one or more complete sentences.

1. *Based on the text, what is the likely mission of Agribotix?*
2. *The text mentions an individual named Pogue (paragraph 6). Who is this individual?*
3. *Explain why “a lot more drones will be flying” by Christmas.*

Complete the chart. Provide at least four pieces of evidence that may be used in support of drone use. And four against. Answer may be in phrases but must be specific.

Evidence Supporting the use of Drones

1.

2.

3.

4.

Evidence Against the Use of Drones

1.

2.

3.

4.

Read the following news excerpts regarding the use of drones and then complete the writing at the bottom.

Foxx likens the arrival of drones to the dawn of the first automobiles. "All of a sudden, this new entrant is trying to occupy the same space as horse-drawn carriages. In some respects, that's where we are. We're trying to integrate this new use in a space that's been occupied by airplanes, helicopters, hobbyists and general aviation for so long." (CBS News, <http://www.cbsnews.com/news/the-drone-invasion-now-underway/2/>)

As dangerous as wildfires can be, [drone pilots have been drawn to them](#). At least 13 times this year firefighters have reported seeing drones flying near major fires. For pilots of firefighting aircraft, [drones have become another hazard](#) in an already risky business. Imagine suddenly seeing a drone heading straight at your helicopter. (CBS News, <http://www.cbsnews.com/news/drones-pose-new-risks-for-firefighters-battling-california-wildfires/>)

Based on what you've read, should drone use be governmentally regulated? Write a paragraph for an essay stating your claim and citing evidence in the paragraph .