

NAME: _____

Appendix 8: Rise of the Robots

Created: Winter 2018 by the National FFA Organization

DIRECTIONS:

There have been many changes in technology throughout history. Watch the following two cartoon video clips from *The Flintstones* and *The Jetsons*, and identify five technology differences.

The Flintstones Clip: <https://youtu.be/uq7noaMwLfg>. *The Jetsons* Clip: <https://youtu.be/OJQbeCAIF6s>.

Identify five technology differences between the two videos.

1. _____

2. _____

3. _____

4. _____

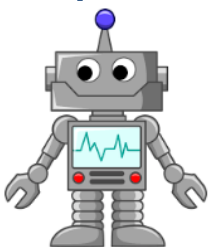
5. _____



Which video are we more like today?



How do you think technology will change over the next 50 years?



Watch the video available here:

<https://www.youtube.com/watch?v=4qrlFse5I1U>.

Why might the use of technology such as robots be controversial in the agriculture industry?

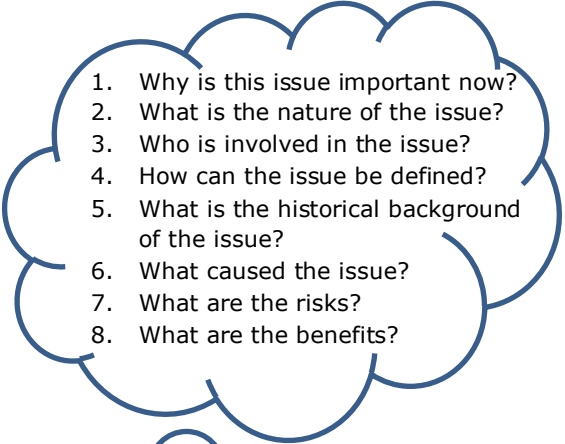
NAME: _____

Aligned to the following standards:

CS.01; CS.02; FFA.PL-A; FFA.PL-C; FFA.PL-F; FFA.PG-I; FFA.PG-J; FFA.CS-N; AG1; AG2;
AGC10.03; AGC10.04; CCSS.SL.9-10.2; CCSS.SL.9-10.4; CCSS.WHST.9.10.1;
CCSS.WHST.9.10.4; CCSS.MP3; CRP.02; CRP.04; CRP.05; CRP.06; CRP.07; CRP.08

DIRECTIONS:

Currently, the way robots are used in agriculture is a "hot-button" topic. In FFA, the agricultural issues forum leadership development event gives students the opportunity to show both sides of an issue through research and presentations. Below, answer the questions about how robots are being used in agriculture. Use the empty space to record your notes.

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1. Why is this issue important now?
 2. What is the nature of the issue?
 3. Who is involved in the issue?
 4. How can the issue be defined?
 5. What is the historical background of the issue?
 6. What caused the issue?
 7. What are the risks?
 8. What are the benefits?



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AGC10.03; AGC10.04; CCSS.SL.9-10.2; CCSS.SL.9-10.4; CCSS.WHST.9.10.1;
CCSS.WHST.9.10.4; CCSS.MP3; CRP.02; CRP.04; CRP.05; CRP.06; CRP.07; CRP.08

DIRECTIONS:

Watch the video "How to Make a Paper Slideshow," available at https://youtu.be/E5RXynA_D3I. Create a paper slideshow video that details the agricultural issue of robotics in agriculture. Videos should last a minimum of 60 to 90 seconds. If you do not have access to technology to film this, then complete the paper portion only. Use the questions from above and information from the article to help you develop your paper slideshow. Use the template below to plan your paper slideshow. You can have as many or as few paper slides as you like as long as all questions from above are covered and you meet the requirements outlined on the attached rubric. (Illustrations go in the boxes and your narration on the lines.)

Robotics in Agriculture

Slide One:

Narration:

Slide Two:

Narration:

NAME: _____

Slide Three:

Narration:

Slide Four:

Narration:

Slide Five:

Narration:

NAME: _____

Slide Six:

Narration:

Slide Seven:

Narration:

Slide Eight:

Narration:

NAME: _____

Aligned to the following standards:
 CS.01; CS.02; FFA.PL-A; FFA.PL-C; FFA.PL-F; FFA.PG-I; FFA.PG-J; FFA.CS-N; AG1; AG2;
 AGC10.03; AGC10.04; CCSS.SL.9-10.2; CCSS.SL.9-10.4; CCSS.WHST.9.10.1;
 CCSS.WHST.9.10.4; CCSS.MP3; CRP.02; CRP.04; CRP.05; CRP.06; CRP.07; CRP.08

Paper Slideshow Video Rubric

Area	4 Points	3 Points	2 Points	1 Point
Content	All content is accurate. There are no factual errors.	Most of the content is accurate, but there is one piece of information that seems inaccurate.	The content is generally accurate, but one piece of information is clearly inaccurate.	Content is confusing or contains more than one factual error.
Clarity and Neatness	The paper slideshow is easy to read, and all elements are clearly written, labeled and drawn. Creativity was used.	The paper slideshow is easy to read, and most elements are clearly written, labeled and drawn. Some creativity was used.	The paper slideshow is hard to read with rough drawings, labels and color. Little creativity was used.	The paper slideshow is hard to read, and one cannot tell what goes where or what the illustrations represent. No creativity was used.
Narration and Preparedness	The paper slideshow is clearly rehearsed and narrated with no mistakes. Student spoke slowly and clear.	One mistake is heard in the paper slideshow video.	Two mistakes are heard in the paper slideshow video.	Three or more mistakes are heard in the paper slideshow video. Student spoke very fast and was unclear.
Time	Student met or exceeded the 60- to 90-second timeframe.			Student was under the allotted time frame.
				Total: _____

Comments:
