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The Growth of American Manufacturing

Introduction

Hello students!

For your next project you will be creating a YouTube video about the growth of high-tech manufacturing in the United States. Before doing this, you will research the history of manufacturing in America, why the country's high-tech manufacturing sector is growing, and what kinds of high-tech products are manufactured.

We encounter technology countless times a day. Whether it be our cell phones, a medical device, or touch screens. What high-tech products are manufactured in the U.S.? Or do we just import everything? It is your job to find out.



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Task

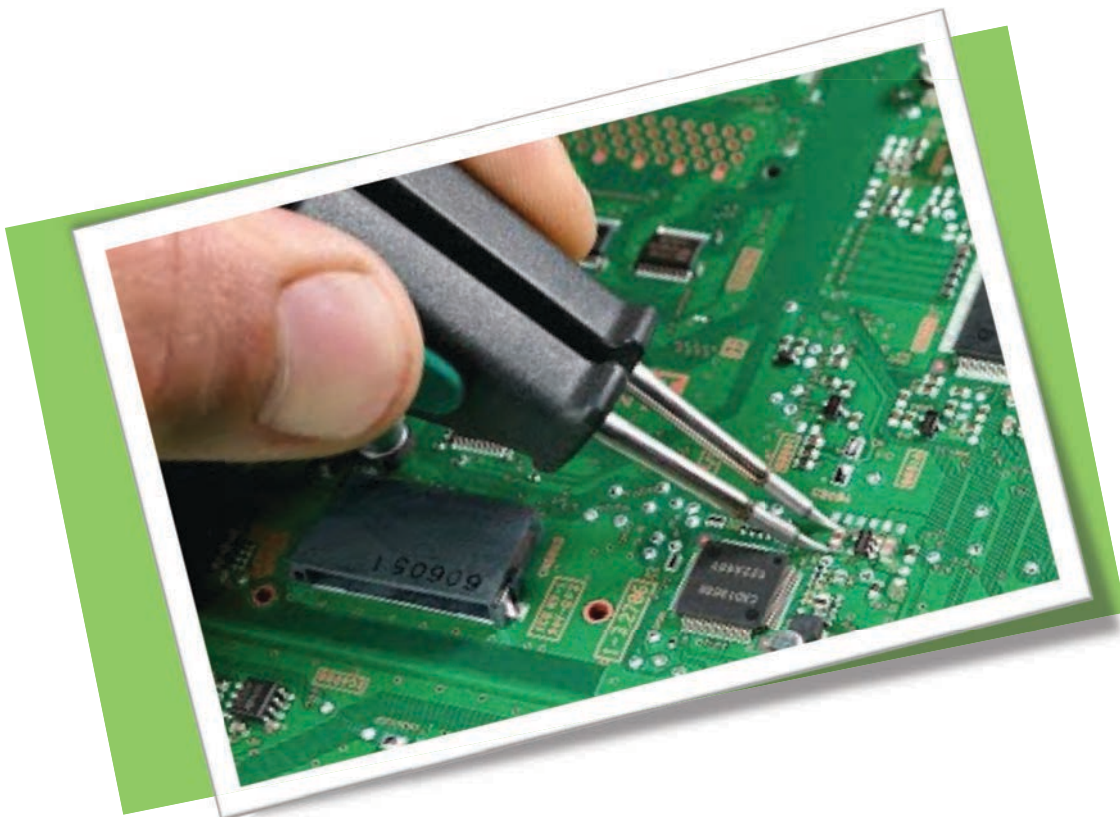
Your task will be to create a YouTube video about the growth of high-tech manufacturing in the United States based off of your research of the following:

-the history of manufacturing in America

-why the country's high-tech manufacturing sector is growing

-what high-tech products are manufactured in the U.S.

This project is to be done individually.



Process

In order to complete your task, you will need to follow a series



Individual Process:

- 1.) You will research the following areas:
 - the history of manufacturing in America
 - why the country's high-tech manufacturing sector is growing
 - what high-tech products are produced in the U.S.
- 2.) Check out the *Resources* page to get started on your research.
- 3.) Based off of your research, you will create a 1st draft storyboard and script and begin to organize your information.
- 4.) You will turn in your 1st draft of the storyboard and script to the teacher and receive feedback. You will then edit and revise your draft accordingly.
- 5.) You will decide how to make your video. The format is up to you, be creative!
 - Do you want to record yourself speaking?
 - Do you want to do a voice-over with a series pictures?
 - What pictures should you include?
 - Note: All pictures used must be in accordance with Creative Commons or credit must be given to the photographer.
- 6.) You will create your video and revise/edit until it is ready to be uploaded to YouTube.
- 7.) You will present your video to the class.

Resources

Below are some resources to help you get started on your research. You are not limited to these resources. In fact, you are encouraged to find your own, as long as they are credible sources.

WEBSITES

<http://www.reuters.com/article/2013/09/03/us-usa-economy-manufacturing-idUSBRE9820N820130903>

<http://www.manufacturing.gov/welcome.html>

<http://www.theepochtimes.com/n3/380314-growth-in-us-manufacturing-fastest-in-2-%C2%BD-yyears/>

<http://www.nam.org/Statistics-And-Data/Facts-About-Manufacturing/Landing.aspx>

YOUTUBE VIDEOS

“Innovation In Manufacturing in the USA- NNMI”

<https://www.youtube.com/watch?v=xjvZCGtyn0M>

“Manufacturing Makes America Strong”

<https://www.youtube.com/watch?v=96aHwkY2XE4>

“U.S. Manufacturing Jobs on the Rise”

<https://www.youtube.com/watch?v=O4wmpYs7AUy>

Evaluation

<u>Category</u>	<u>Excellent</u>	<u>Good</u>	<u>Sufficient</u>	<u>Requires Work</u>
Research/ Information	Student thoroughly researches American high-tech manufacturing to the best of their ability. Research is in-depth, easy to understand, and organized. All sources are properly cited. (20 points)	Student researches American high-tech manufacturing well. Research is in-depth, understandable, and generally organized. Most sources are properly cited. (19-15 points)	Student researches American high-tech manufacturing at an average level. Research is enough to get by, understandable, and sometimes organized. Only some sources are properly cited. (14-10 points)	Needs work. Student does not thoroughly research American high-tech manufacturing. Research is not in-depth, understandable, or organized. Few or no sources are cited. (<10 points)
Storyboard/ Script	The storyboard and script accurately portray the student's research and give a well-organized plan for the video. Little suggestions for improvement are given. (10 points)	The storyboard and script portray the student's research well and give a relatively organized plan for the video. Some suggestions for improvement are given. (9-8 points)	The storyboard and script portray the student's research and give a very general plan for the video. Multiple suggestions for improvement are given. (7-6 points)	Needs work. The storyboard and script do not portray the student's research and give no plan for the video. Suggestions are not given due to incompleteness. (<6 points)
Video Creativity (Visuals and Audio)	The video is very creative and uses visuals and audio in an effective way. (10 points)	The video is above-average in creativity and uses visuals and audio in an effective way the majority of the time. (9-8 points)	The video is average in creativity and uses visuals and audio in an effective way some of the time. (7-6 points)	Needs work. The video is below average in creativity and visuals and audio are not used effectively. (<6 points)
Video Organization	The video is organized in a way that portrays information effectively. (10 points)	The video is relatively organized and gets information across in an understandable way. (9-8 points)	The video is slightly organized and portrays information in a way that is not always easy to understand. (7-6 points)	Needs work. The video is not organized and does not portray information effectively. (<6 points)

TOTAL: 50 Points

Conclusion

You've learned a great deal about high-tech manufacturing in the United States up to this point. You've researched the history of manufacturing in America, why the country's high-tech manufacturing sector is growing, and what high-tech products are produced in the U.S. You've not only become expert researchers, but you've also learned how to apply that knowledge into a product of your own. Through your research, you have created a YouTube video about high-tech manufacturing in the United States.

Here are some additional questions to consider:

- Your final product: While researching, how did you decide whether a website was a reputable source or not?
- The overall process: During the process, from researching to creating your video, what was the most challenging part of this project? How did you work through this challenge? What part of your project are you particularly proud of? In the future, how could you work to make this process a more productive experience?

Thank you for all of your hard work!



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