

Name: _____

Aligned to the following standards:

CS.05; FFA.PL-A; FFA.PL-C; FFA.PL-E; FFA.PL-F; FFA.CS-M; FFA.CS-N; AG5; AGC09.02; RI.9-10.2; RI.9-10.3; W.9-10.2; SL.9-10.1; SL.9-10.2; CRP.02; CRP.04; CRP.07; CRP.08

National FFA Secretary Finds His Spark

Part 1

Directions:

Read the article "National FFA Secretary Finds His Spark," found at [FFA.org/the-feed/national-ffa-secretary-finds-his-spark/](https://www.ffa.org/the-feed/national-ffa-secretary-finds-his-spark/), and complete the following activities.

Who is the National FFA Secretary?

What is his hometown and state?

What was his experience with college?

Why did he enjoy agricultural education?

What did he decide to do after college?

From 2020 to _____, Sylvester — who learned to weld as a member of the _____ FFA — worked with _____ different _____ companies.

What tasks did he learn at those companies?

What did agricultural education grant him?

What is his next move, after national office?

What is his long-term goal?



"It's OK to _____ what you want to _____. When we have the _____, we can _____ anything we _____ our minds to."

How can you apply this quote and statement in your life?

What is available from FFA to help with a trade education?



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Part 2

Directions:

Go to AgExplorer, AgExplorer.FFA.org, and answer the following questions.

In what career focus area do you think welder would fit?

Click on the career focus area tile that you chose.

Describe the career focus area in **two** sentences:

Choose **three** careers within the career focus area you identified above and answer the questions below.

1

Career: _____

Identify three responsibilities associated with this career:

a. _____

b. _____

c. _____

2

Career: _____

Identify three responsibilities associated with this career:

a. _____

b. _____

c. _____

3

Career: _____

Identify three responsibilities associated with this career:

a. _____

Choose one of the careers you identified and click See Available Jobs on the career profile page. What is one currently available job? _____

b. _____

c. _____

What role do you think the three careers you highlighted above play in the economy? What would happen if they disappeared?

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Part 3

Directions:

Safety is extremely important when welding. Let's take a look at welding safety and personal protection equipment. Use this website, <https://www.lincolnelectric.com/en/Safety-Resources/Welding-Safety-FAQs---Personal-Protective-Equipment>, to complete the activity below.

What is the most common injury to a welder?

Circle True or False for this statement:
Protective clothing needed for welding includes general fire-resistant clothing, flip flops, safety glasses, gloves and helmet.

Using the space below, draw a flyer to help promote safety in welding.

-Include at least five of the FAQ in your drawing.

-Include why safety in welding is important.

-Be creative!

Explain what steps you can take to prevent hot sparks from being trapped in your clothing.



Why are safe practices and equipment so important with welding?

What would happen if these protocols were not followed? Give specific examples.

Name: _____

Part 4

Directions:

Now, it's your turn to try welding! Follow the steps below to complete this activity.

Items you will need:

- One pair of scissors
- At least two full-size graham cracker sheets
- One small bag of icing (*Cut a small corner off the bag.*)
- One paper towel

Instructions:

Step 1: Choose a type of weld to do. Use this website to see different types of welds: <https://weldguru.com/weld-types-joints/>. What weld did you choose? _____ Use the box below to sketch your weld.

Step 2: Lay the paper towel down on the table.

Step 3: Create the weld using the graham crackers and icing.

Step 4: Answer the questions below.

Sketch your weld:



Was this process easy? Why or why not?

How can you apply this activity to actual welding?



Summarize what you learned from the welding activity in two or three sentences: