

HRT 2 CAREERS AND SUPERVISED AGRICULTURAL EXPERIENCE (SAE) PROGRAMS

ON A SINGLE SHEET OF PAPER WRITE DOWN:

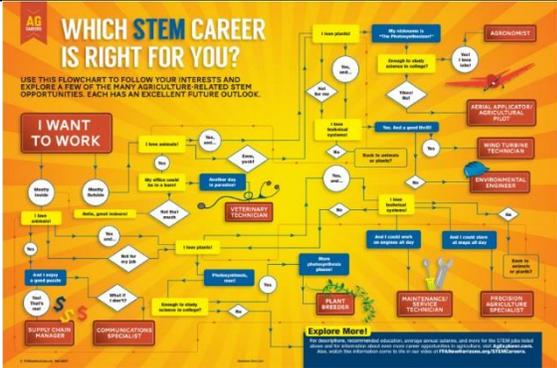
1. THE DAY
2. TODAY'S DATE
3. THE QUESTION
4. THE ANSWER

	Question	Answer
1	Go to AgExplorer.com and complete the Career Finder.	
2	Video journaling – Watch a short video clip, reflect in writing and share out. (https://www.youtube.com/watch?v=sc4HxPxNrZ0)	
3	Video journaling – Watch a short video clip, reflect in writing and share out. (https://www.youtube.com/watch?v=2pXuAw1bSQo)	
4	Video journaling – Watch a short video clip, reflect in writing and share out. (https://www.youtube.com/watch?v=6xINyWPpB8)	
5	Which of the following is a term used in the forestry industry to describe the segment that works with maintenance and cultivation of trees? a. Vermiculture b. Silviculture c. Parasitology d. Viticulture	
6	What are the parts of the 3-Component Model for School-Based Agricultural Education? a. Animals, plants, foods b. Family, friends, agriculture c. Careers, classroom, SAE d. Classroom, SAE, FFA	
7	What does SAE stand for? a. Scientific Agricultural Exploration b. Supervised Agricultural Experience c. Standardized Agricultural Experience d. Supervised Agricultural Exploration	
8	Identify five skills you could gain by having a supervised agricultural experience (SAE) program.	
9	Maggie raises chickens and sells the eggs to local customers. What type of supervised agricultural experience (SAE) program would this student have?	
10	Brenden works at the local veterinarian clinic. He cleans kennels and answers phone calls. What type of supervised agricultural experience (SAE) would this student have?	
11	Marlene has two soybean plots to determine which hybrid will yield the most product. What type of supervised agricultural experience (SAE) program would this student have?	
12	What is a supervised agricultural experience (SAE) proficiency award? a. More paperwork I have to complete b. A way to get recognition for my SAE c. The best way to document my SAE d. The only way for my advisor to grade my SAE	
13	Which of the following SAEs would a student excel at if they enjoy science, agriculture and finding answers to questions that have not yet been discovered? a. Exploratory b. Placement c. Entrepreneurship d. Research	

14	Identify five careers you could have in the Animal Systems Career Focus Area.	
15	Identify five careers you could have in the Agribusiness Systems Career Focus Area.	
16	Identify five careers you could have in the Biotechnology Systems Career Focus Area.	
17	Identify five careers you could have in the Environmental Systems Career Focus Area.	
18	Identify five careers you could have in the Food Products and Processing Systems Career Focus Area.	
19	Identify five careers you could have in the Natural Resource Systems Career Focus Area.	
20	Identify five careers you could have in the Plant Systems Career Focus Area.	
21	Identify five careers you could have in the Power, Structural and Technical Systems Career Focus Area.	
22	What is the difference between a bachelor's degree, a master's degree and a doctorate?	
23	What is your dream job and why?	
24	What is the purpose and role of the United States Department of Agriculture (USDA)?	
25	What career area is the largest employer in the world? a. Medicine b. Manufacturing c. Education d. Agriculture	
26	Draw a picture of what the word <i>agriculture</i> means to you. You have five minutes to complete the drawing.	
27	Find a natural resources resource/publication (https://www.fs.usda.gov/naspf/resources-and-publications) of interest to you and determine the following: (1) What is the issue? (2) accomplishments/program status and (3) future direction. Be ready to share!	
28	What is the purpose and role of the U.S. Forest Service?	
29	Watch this video: https://youtu.be/g7FuDeOpSUY . 1. What role does Zoetis play in the animal industry? 2. Why does Zoetis care so much?	
30	Watch the video available at https://youtu.be/wfILgW3LqIk and respond to the following questions: 1. What role does CSX Transportation play in the agriculture industry? 2. Identify two careers you could have through CSX Transportation.	
31	Watch the video available at https://youtu.be/gUtdRHUf6gw and respond to the following questions 1. What role does Monsanto play in the agriculture industry? 2. How does science help Monsanto find solutions to feeding the growing population?	
32	1. What role does RFDTV: Rural America's Most Important Network play in communicating agriculture? 2. What career area would you be involved in if you worked for RFDTV? 	
33	Watch the video available at https://youtu.be/0PU6BkSMUoA and respond to the following questions:	

	<ol style="list-style-type: none"> 1. What careers exist in agriculture that are not production based? 2. What role do America's farmers play in our economy? 	
34	<p>Watch the video available at https://youtu.be/B_WSLbw3ApA and respond to the following question:</p> <ol style="list-style-type: none"> 1. What benefits are there to being employed in agriculture? Identify three. 	
35	<p>Watch the video available at https://youtu.be/FxMHI5Gr2Yq and respond to the following question:</p> <ol style="list-style-type: none"> 1. What are scientists doing to help to feed a growing population? 	
36	<p>What relationship exists between science and agriculture? Give two examples to illustrate your response.</p>	
37	<p>What is the role of the Centers for Disease Control in our food supply?</p>	
38	<p>Find an impactful member of the agricultural community from history. Create a Tweet about the impact that person has had in the agriculture industry.</p>	
39	<p>Read the following article and respond with six emojis that represent your thoughts/feelings about the material: https://newsela.com/read/elem-san-francisco-hotel-rooftop-bees/id/41820</p>	
40	<p>Read the article "Cool Jobs: Linking animal health to human health," https://www.sciencenewsforstudents.org/article/cool-jobs-linking-animal-health-human-health.</p> <p>Identify five careers you could potentially have related to what is discussed in the article.</p>	
41	<p>Read the article "Fish get pooped living in polluted water," https://www.sciencenewsforstudents.org/article/fish-get-pooped-living-polluted-water.</p> <ol style="list-style-type: none"> 1. Create a numbered lab procedure to outline the research study that was performed in this article. 2. What implications will this research have for the future of our natural resource systems? 	
42	<p>Read the article "New 'tattoo' could lead to drought-tolerant crops," https://www.sciencenewsforstudents.org/article/new-tattoo-could-lead-drought-tolerant-crops</p> <ol style="list-style-type: none"> 1. Using three to five sentences, describe the impact this technology could have on addressing the growing food crisis in the world. 	
43	<p>Read the article "Robots will control everything you eat," https://www.sciencenewsforstudents.org/article/robots-will-control-everything-you-eat.</p> <ol style="list-style-type: none"> 1. List three facts and three opinions you have regarding the utilization of robots in agriculture. 	
44	<p>Write a two-minute elevator speech about what agriculture is/means. This elevator speech should be written for a student at the elementary level that has never taken an agriculture class.</p>	
45	<p>Create an SAE idea card for your SAE or an SAE you are interested in pursuing. For a blank SAE idea card head to the Explore page of My Journey.</p>	
46	<p>Watch an SAE video found on the National FFA website (FFA.org/ffa-video-center).</p> <p>Identify five skills that you could learn from having an SAE.</p>	
47	<p>Watch the video "Day in the Life of a Disney Food Scientist" (http://u7.ift.org/Knowledge-Center/Learn-About-Food-Science/Day-In-The-Life/Disney-and-IFT.aspx).</p> <p>As you watch the video, create a flow chart that maps out the day of a Disney food scientist.</p>	

48	<p>Watch the video "Michele Perchonok: Food Scientist at NASA" (http://www.ift.org/knowledge-center/learn-about-food-science/day-in-the-life/michele-perchonok.aspx).</p> <p>What role does a food scientist play in developing foods and food packaging for astronauts?</p>	
49	<p>This scientist was not only awarded the Nobel Peace Prize for his work in addressing hunger globally, but he also developed the World Food Prize to recognize those individuals making an impact in the world of agriculture.</p>  <p>a. George Washington Carver b. John Deere c. Phillip Nelson d. Dr. Norman Borlaug</p>	
50	<p>Using the World Food Prize Laureates page, find a laureate of interest to you and write a two to three sentence blog post about their accomplishments and agricultural impact. https://www.worldfoodprize.org/index.cfm?nodeID=90971&audienceID=1</p>	
51	<p>Watch the video "Ag & Bio Engineering: Meeting the Needs of Humankind" (https://youtu.be/WM16bY0W8o8).</p> <ol style="list-style-type: none"> 1. What does an agricultural and biological engineer do? 2. What impact do they have on the world and economy? 	
52	<p>Read "On the Record: Chris Johns" in <i>FFA New Horizons</i>: https://www.ffanewhorizons.org/2017/08/30/on-the-record-chris-johns/.</p> <p>Write a Facebook post about Chris John's experiences and how FFA helped him to find his passion.</p>	
53	<p>Read "On the Record: Easton Corbin" in <i>FFA New Horizons</i>: https://www.ffanewhorizons.org/2017/02/24/what-i-know-easton-corbin/.</p> <p>Write a Facebook post about Easton Corbin's experiences and how FFA helped him to find his passion.</p>	
54	<p>Read "On the Record: Ray Starling" in <i>FFA New Horizons</i>: https://www.ffanewhorizons.org/2017/03/14/qa-ray-starling-special-assistant-to-the-president/.</p> <p>Write a Facebook post about Ray Starling's experiences and how FFA helped him to find his passion.</p>	

<p>55</p>	 <p>(Image can be found at https://www.ffanewhorizons.org/2017/08/28/which-stem-career-is-right-for-you/.)</p> <ol style="list-style-type: none"> 1. Use the infographic to determine STEM career is right for you. 2. Why do you think you ended up at this career? (Think about your personality and skills as you answer this question.) 	
<p>56</p>	 <p>(Image can be found at https://www.ffanewhorizons.org/2017/11/22/ag-101-the-mother-ship/.)</p> <ol style="list-style-type: none"> 1. How has agricultural technology evolved over the years? 2. What impact does this change have on the agriculture industry's ability to feed a growing population? 	
<p>57</p>	<p>Using the website available at https://www.ffanewhorizons.org/category/ag-101/career-pathways/, select an agricultural career pathway and describe five skills necessary to be successful in that area of agriculture.</p>	
<p>58</p>	<p>Take the Money Management Quiz: https://sorted.org.nz/tools/money-personality-quiz/.</p> <ol style="list-style-type: none"> 1. Do you think the results are accurate? 2. How can this insight into your money management help you in your SAE? 	
<p>59</p>	<p>Take this career quiz: https://www.goconstruct.org/personality-quiz/index.htm.</p> <ol style="list-style-type: none"> 1. Which careers are you most suited for in construction? 2. Is this result accurate? 3. Why or why not? 	
<p>60</p>	<p>Select a career focus area of interest to you (use AgExplorer.com) and create a Tweet about that focus area.</p>	
<p>61</p>	<p>What are the pros and cons of being a small animal veterinarian?</p> <p>https://youtu.be/8VVOowRAUAM</p>	
<p>62</p>	<p>What can humans do to handle cattle humanely, safely and calmly? Give three examples.</p> <p>https://youtu.be/JawE6CLKHhc</p>	

63	Watch the video available at https://youtu.be/xhtQf22GzJs and respond to the questions: <ol style="list-style-type: none">1. What is artificial insemination?2. Why do farmers utilize artificial insemination?	
64	Watch the video available at https://youtu.be/R3FvgnSItWc and identify five careers that can be found within the animal science industry.	
65	Watch the video available at https://youtu.be/MmCCrV1RI9Y and respond to the questions: <ol style="list-style-type: none">1. What is a wildlife biologist?2. What personality characteristics do you need to be successful in an animal biology career? Identify three characteristics.	
66	How many proficiency award areas exist? <ol style="list-style-type: none">a. 23b. 39c. 47d. 52	
67	Watch the video available at https://youtu.be/kVMEfoaLB5Y and respond to the following questions: <ol style="list-style-type: none">1. What skills do you need to be successful in an ag and turf technician career?2. What education requirements exist for this type of career?	