

Agricultural Career Awareness

INTRODUCTION

Grade Level: 6-12th grade

Timeframe: 30 minutes

At the end of this lessons students will be able to:

1. Define more accurately the scope and depth of the field of agriculture.
2. Identify at least one connection between a personal interest or skill and a potential career in agriculture.
3. Understand the interconnectedness and complex contributions of the agricultural industry in today's society.

Materials/Resources Needed:

Notecards

Pencils

Prizes

Scattergories Group Sheets

Ag Careers Handout



BEFORE THE SESSION:

1. Purchase candy to use as prizes.
2. Review each section of this presentation.
3. Fill out a Scattergories card about yourself and the people/ag careers you interact with in your operation.

Class Warm Up [About 5 minutes]:

1. Briefly introduce yourself and the kind of farming you do.
2. Give each student a note card and pencil. Have students write as many agricultural-related careers they can think of in 60 seconds. [Set a timer.]
3. Have students count their totals.
 - a. The 3 students with the highest numbers can bring their card up to be reviewed. Only correct careers count in this scoring round. The 3 students with the most correct careers get a small prize.

Use this warm up competition as a means of gauging the students prior knowledge. You may need to provide more support (guidance/hints) to students who struggled with this activity.

Agricultural Career Awareness ACTIVITY

Instruction [2-3 minutes]:

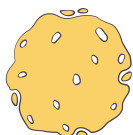
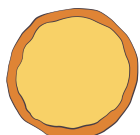
- Introduce yourself more fully by going through your personal Scattergories card and talking about the people with different ag-related careers you work with as part of your operation, including what kind of education or interests each could have.
- You can also use the included Presenter cards to provide more examples.

Career Scattergories Activity [approx. 15 minutes]:

1. Divide into groups of 4-5 students.
2. Assign each group one pizza ingredient by distributing the Scattergories sheets and Ag careers handouts.
3. Explain the rules:
 - a. Working with their group, students will have 10 minutes to find up to 10 unique careers that directly relate to their group's given ingredient.
 - b. They may search online or with provided materials.
 - c. They must also identify what personal interest or academic class aligns with each selected job.
4. After 10 minutes, the groups will share out careers they have found.
 - a. Share out in pizza construction order (crust, sauce, cheese, toppings)
 - b. Groups will keep track of their own points. The group will receive a point for each unique career--any overlap with other groups results in neither group being awarded that point. As each group reads their jobs out loud, the other groups cross out any overlapping jobs on their own sheet.
5. Groups count up points. The group with the most points at the end wins a prize.

End of Class Reflection [approx. 5 minutes]:

1. On the reverse of their earlier notecard, have students write down 2-3 of their own hobbies, interests, or favorite academic classes.
2. Have students write down a career in agriculture that aligns with each interest.
3. Choose a few students to share their interests and possible ag career.
4. As you leave give each student a memento that reminds them of this connection to agriculture (or give to the teacher to pass out, if teacher prefers).



PRESENTER

1. List 12 unique careers that are involved in your operation.
2. Identify an academic class or extra-curricular interest that supports each career.

Career	Class / Interest

CELERY/ONION FARMER

These are people that one Kent County celery and onion farmer works with to make his operation successful.

Career	Class / Interest
Banker	Finance
Seed sales	Sales
Agronomist	Biology/Environment
Drone/aerial applicators	Technology
Food packaging	Sales / industrial design
Food Bank	Sales
Commodity Group	Communication
Pesticide sales	Sales/Biology
MSU Extension	Education
Laser weeder	Technology
Tractor Dealer	Sales

AGRITOURISM OPERATOR

These are all jobs that one first generation Kent County farmer has taken on to make her operation a success!

Career	Class / Interest
Airbnb Host	Hospitality
Maple Syrup Producer	Food Safety
Goat Farmer	Animal Care
Flower Farmer	Horticulture
Beekeeper	Biology
Pumpkin Farmer	Horticulture
Animal Therapy	Animal Therapy
Chicken Farmer	Animal Care
Farm Stand Operator	Business
Agritourism	Hospitality/Marketing/ Public Speaking
Children's Book Author	Writing/Graphic Design/Self-publishing

Club Lamb Breeder

These are people that one Kent County club lamb breeder works with to make their operation successful.

Career	Class / Interest
Nutritionist	Biology
Veterinarian	Veterinary Medicine
Welder	Welding
Ag. sales - retail	Business
Agronomist	Biology
Livestock Equipment Sales	Sales
Conservation Consultant	Natural Resources
Farrier	Technology
Computer software	Technology
Mechanics	Machines
Social Media	Marketing

TREE FRUIT FARMER / AGRITOURISM

These are people that one 6th generation Kent County tree fruit farmer who sells directly to the public works with to make their family operation a success.

Career	Class / Interest
Baker/Donut Maker	Food Services
Sommelier	Wine making
Farmhand	Horticulture
Apple picker	Horticulture
Retail Buyer	Business/Sales
Pesticide Sales	Biology/Sales
Conservation Consultant	Natural Resources
Caterer	Food Services
Social Media	Marketing
Frost Fan Sales	Ag Technology
Veterinarian	Veterinary Medicine

Agricultural Career Awareness

STUDENT RESOURCES

For more information on any of these careers or categories: agexplorer.ffa.org/career

<p>AGRIBUSINESS CONNECT THE BUSINESS WORLD AND AGRICULTURE.</p> <p>Career Examples Ag Broadcaster Grain Buyer Human Resources Marketing Specialist Fertilizer Sales</p>	<p>AGRICULTURAL EDUCATION PREPARE STUDENTS TO BE SUCCESSFUL IN THEIR AGRICULTURAL PROFESSIONS.</p> <p>Career Examples Ag Science Teacher Environmental Educator Extension Agent College/University Professor</p>	<p>AGRICULTURE TECHNOLOGY USING TECHNOLOGY IN A VARIETY OF FIELDS TO INCREASE YIELD, EFFICIENCY, AND PROFITABILITY.</p> <p>Career Examples Aerial Applicator Agricultural Pilot Automation Technician Digital Farming Lead Information Technology App Developer</p>	<p>ANIMAL SYSTEMS WORK DIRECTLY WITH ANIMALS OR WITH PRODUCTS THAT COME FROM ANIMALS.</p> <p>Career Examples Animal Breeder Bloodstock Agent Farrier Herd Nutritionist</p>
<p>BIOTECHNOLOGY ENHANCE PLANTS, ANIMALS, AND MICROORGANISMS TO HELP SOLVE GLOBAL ISSUES.</p> <p>Career Examples Climate Change Analyst Environmental Engineer Geologist Hydrologist</p>	<p>ENVIRONMENTAL SERVICE SYSTEMS COMBINE SCIENCE AND ENGINEERING TO MAKE EARTH A CLEANER AND HEALTHIER PLACE.</p> <p>Career Examples Climate Change Analyst Environmental Engineer Geologist Hydrologist</p>	<p>FOOD PRODUCTS AND PROCESSING WORK WITH THE PHYSICAL, CHEMICAL, AND BIOLOGICAL MAKE-UP OF FOODS.</p> <p>Career Examples Fermentation Scientist Food Scientist Food Stylist Formulator</p>	<p>NATURAL RESOURCES DEVELOP, MAINTAIN, AND MANAGE EARTH'S NATURAL ENVIRONMENTS.</p> <p>Career Examples Conservationist Ethanol Engineer Forester Game Warden</p>
<p>PLANT SYSTEMS UNDERSTAND PLANTS AND EXPLORE HOW THEY IMPACT OUR WORLD.</p> <p>Career Examples Community Farmer Urban Farmer Crop Adjuster Golf Course Superintendent Hydroponics Producer</p>	<p>POWER, STRUCTURAL, AND TECHNICAL SYSTEMS APPLY TECHNOLOGY AND SCIENCE WHILE WORKING WITH EQUIPMENT.</p> <p>Career Examples Construction Foreman Data Analyst Design Engineer Hydraulic Technician</p>	<p>SKILLED TRADES THE APPLICATION OF SPECIALIZED KNOWLEDGE, ABILITIES, AND HANDS-ON SKILLS.</p> <p>Career Examples Assembly Technician Carpenter Laborer Heavy Duty Equipment Technician Mechanic</p>	<p>SUSTAINABILITY SYSTEMS LOOKING AT A BALANCE BETWEEN ECONOMIC CONCERNS AND IMPACT TO THE ENVIRONMENT.</p> <p>Career Examples Alternative Energy Specialist Biological Technician Biorefining Manager Marketing Specialist</p>

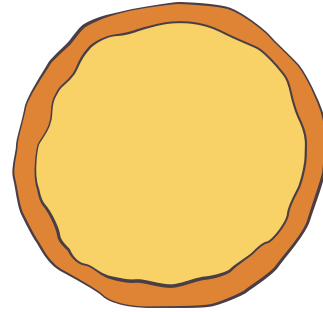
MOSTLY INSIDE		MOSTLY OUTSIDE	COMBINATION
Accountant	Genomics Scientist	Agricultural Pilot	Agricultural Engineer
Administrative Assistant	Grain Buyer	Aerial Applicator	Ag Science Teacher
Ag Insurance Agent	Grain Grader	Agronomist	Agriculture Journalist
Ag Literacy Specialist	Graphic Designer	Animal Biotechnology	Agronomy Sales
Ag Loan Officer	Human Resources Mgr.	Animal Caretaker	Alternative Energy Spec.
Ag Lawyer	Hydroponics Producer	Animal Trainer	Animal Breeder
Ag Legal Assistant	IT Analyst	Arborist	Animal Welfare Auditor
Ag Legislative Assistant	Inside Sales Rep.	Artificial Insemination	Aquaculturist
Ag Lobbyist	International Business	Technician	Biorefining Manager
Analytical Chemist	Development Assoc.	Athletic Turf Manager	Bloodstock Agent
Animal Geneticist	Laboratory Manager	Beekeeper	Breeding Manager
App Developer	Laboratory Technician	Beef Cattle Farm Worker	Commodity Procurer
Assembly Technician	Livestock Auctioneer	Carpenter	Construction Foreman
Auditor	Logistics/Supply Chain	Community Farmer	Crop Adjuster
Automation Technician	Management	Conservation Officer	Crop Insurance Agent
Benefits Manager	Marketing	Conservationist	Drone Technician
Bioinformatics Scientist	Meat Inspector	Crop Advisor	Entomologist
Biological Technician	Microbiologist	Crop Scout	Ethanol Engineer
Biostatistician	Mill Packer	Dairy Farm Manager	Farm Business Manager
Brand Manager	Nutritionist	Dairy Farm Worker	Feed Mill Operator
Budget Analyst	Occupational Health &	Ecologist	Feedlot Manager
Career Counselor	Safety Manager	Falconer	Fisheries Technician
Climate Change Analyst	Office Manager	Farm Operations Mgr.	Forester
College Recruiter	Patent Scientist	Farm Program Coord.	Geologist
Computer System Analyst	Pet Groomer	Farrier	Grain Elevator Manager
Controller	Plant Geneticist	Game Warden	Herd Nutritionist
Corporate Recruiter	Policy Analyst	Greenhouse Manager	Hydrologist
Credit Analyst	Produce Buyer	Harvester/Picker	Livestock Buyer
Data Analyst	Produce Inspector	Heavy Equip. Operator	Livestock/Meat Grader
Dealer Services Rep.	Public Relations Spec.	Herdsperson	Mechanic
Design Engineer	Purchasing Analyst	Horticulturist	Millwright
Digital Marketing	Quality Assurance:	Irrigation Specialist	Nematologist
Dispatcher	Auditor/Manager	Landscape Designer	Pesticide Technician
Economist	Regulatory Scientist	Landscape Technician	Plant Breeder
Embryologist	Research & Development	Livestock Loader	Poultry Farm Worker
Energy Sales Specialist	Safety Director	Logger	Poultry Hatchery Mgr.
Evisceration Processor	Sales Rep: Equipment	Pest Control Advisor	Research Scientist
Export Documentation	Sales Rep: Ag Systems	Ranch Manager	Ruminant Nutritionist
Export Sales	Sales Rep: Food, Seed,	Research Station Mgr.	Sales: Feed & Animal
Extension Faculty	Feed, Fuel	Row Crop Producer	Seed Production
Extension Youth Program	Sawmill Operator	Swine Finishing Farm	Small Animal Vet.
Coordinator	Shipping Coordinator	Manager	Soil Scientist
Fermentation Scientist	Slaughter Processor	Therapeutic Riding	Swine Nursery Farmer
Financial Analyst	Social Media Strategist	Instructor	Toxicologist
Flavor Technologist	Sorter	Wind Substation Tech.	Truck Driver
Fleet Manager	Sustainability Spec.	Wind Turbine Technician	Veterinary Assistant
Florist	Trade Manager	Zoologist	Water Resource Engin. Engin.
Food Production Spec.	Transportation Manager		Weed Scientist
Food Safety Specialist	Veterinary Pathologist		Welder
Forklift Operator	Warehouse Manager		Wildlife Biologist

CRUST

1. Find 10 unique careers that are involved with the production of pizza crust.

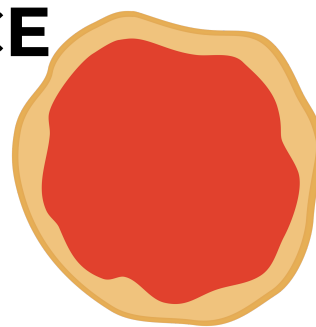
2. Identify an academic class or extra-curricular interest that supports each career.

3. If another group has written down the same career, both teams cross that one out.



Career	Class / Interest

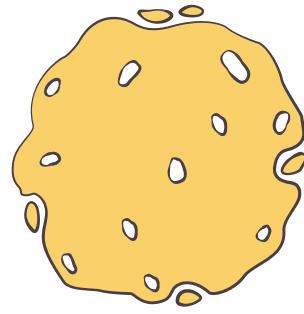
TOMATO SAUCE



1. Find 10 unique careers that are involved with the production of pizza sauce.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

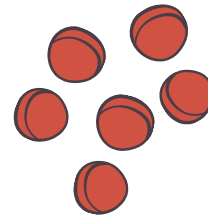
CHEESE



1. Find 10 unique careers that are involved with the production of cheese.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

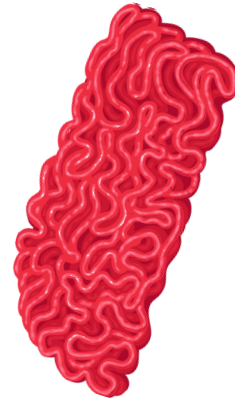
PEPPERONI



1. Find 10 unique careers that are involved with the production of pepperoni.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

GROUND BEEF



1. Find 10 unique careers that are involved with the production of ground beef.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

CHICKEN

1. Find 10 unique careers that are involved with the production of chicken.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.



Career	Class / Interest

GREEN PEPPER



1. Find 10 unique careers that are involved with the production of green pepper.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

ONION



1. Find 10 unique careers that are involved with the production of onion.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

MUSHROOM



1. Find 10 unique careers that are involved with the production of mushroom.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

BASIL



1. Find 10 unique careers that are involved with the production of basil.
2. Identify an academic class or extra-curricular interest that supports each career.
3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest

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1. Find 10 unique careers that are involved with the production of _____.
 2. Identify an academic class or extra-curricular interest that supports each career.
 3. If another group has written down the same career, both teams cross that one out.

Career	Class / Interest