



Grade Level: 6-12

Essential Skills: 4, 9

CCSS: 3.RI.7, 3.L.4, 3-5.SL.1, 11-12.W.8, 9-10.W.8, 8.W.8, 7.W.8, 6.W.8, 5.W.8, 4.W.8

Time: 1 class period

Materials: Careers Kit*

- Careers in Agriculture Pamphlet *
- 13 Brown Paper Bags*
- 52 Career Clue Cards*
- Uncovering the Mystery Career Worksheet
- Tracking your Path Worksheet
- Computers

***Materials Available from Oregon Agriculture in the Classroom.**

AITC Resources:

Careers in Agriculture Pamphlet
Careers in Agriculture Videos

More Lessons:

Agricultural Networking
Source Relay

Lesson to Grow

Find your Future in Agriculture

Description:

Students will explore the costs associated with their desired futuristic lifestyle while identifying potential agricultural careers available to them in Oregon that align with their interests.

Background:

According to the United States Department of Agriculture (USDA) in 2017, 11 percent of employment in the U.S. were jobs related to the agricultural and food industries. Agriculture has endless opportunities for students to continue to improve innovation to feed our growing population. Agricultural careers range from on-the-farm jobs, product development and marketing, scientists, chemists and much more. There is a job for everyone through agriculture!

Directions:

Part I: Reality Check

Students will get the opportunity to investigate their average monthly salary needs based on their lifestyle expenses through this virtual reality check. Students will make basic decisions about their lives such as how much they are going to eat out, what type of house they will live in, types of entertainment expenses they will have and more.

- 1) Have students go to the Education Quest Foundation's [Reality Check](#). Have students select the option "Select My Expenses" to begin.
- 2) Students will be prompted through a number of questions and will be brought to a final screen that will tell them their monthly salary needed based on their decisions.
- 3) Have students print out or record on a separate sheet of paper the breakdown of their monthly expenses to put aside for later use.

Part II: Mystery Agricultural Career Bags

1) Distribute the 13 career bags around the room. Each bag should contain objects or the attached clue cards that give hints to the careers each represents. The cards have numbers to distinguish between each group. Designate one number per bag and include all the cards of that number into the same bag.

2) Provide each student with the Careers in Agriculture pamphlet, have students review each of the booklets that highlight careers in a variety of different agricultural sectors. Students should specifically review each career description as this will help them in the next part of the activity.

Tell students: *Today we are going to take a look at several different careers related to agriculture. First we will start by reviewing the Careers in Agriculture pamphlet that highlights agricultural careers in Oregon. Make sure to pay close attention to the career and its description because you will need that information for our next activity.*

3) Divide students into pairs, students will work their way around the room to each bag, empty its contents and use the hints to determine the career it represents from the Careers in Agriculture pamphlet.

Tell students: *Working with your partner, you will have 2 minutes at each station to look at the contents of the bag, determine the career it represents and return the cards to the bag. Record the career each bag represents on your worksheet with the corresponding number that's labeled on the bag. Try to determine the career without referring to the guide at first, if you find yourself stuck, refer to the guide. We will review each of the bags and the careers they represent at the end as a class.*

4) After students have been to each station, review the contents of each bag and have a

volunteer from each group reveal their career guess. The answers are as follows:

Station 1: Agronomist

Station 2: Ornamental Plant Breeder

Station 3: Diesel Mechanic

Station 4: Ecological Engineer

Station 5: Dairy Cattle Feed Specialist

Station 6: Fisheries Extension Agent

Station 7: Registered Dietitian Nutritionist & Chef

Station 8: Food Safety Specialist

Station 9: Lawyer

Station 10: Publications and Web Coordinator

Station 11: Reporter/Journalist

Station 12: Legislative Advocate

Station 13: Veterinarian

Consider giving students a treat if their group identified each of the careers correctly.

Part III: Tracking Your Path

- 1) Have students pick one of the careers they saw in the Careers in Agriculture pamphlet that interested them to explore in depth.
- 2) Provide each student with a copy of the Tracking Your Path worksheet, have students research the career of their choice and complete the worksheet.



Uncovering the Mystery Career

Student Name: _____

Directions: With your partner, travel to each station, remove the contents of the bag and determine what career the contents represent. On the associated station below, record the items in the bag and on the line write the career represented.

Station 1: _____ Items in bag:	Station 2: _____ Items in bag:
Station 3: _____ Items in bag:	Station 4: _____ Items in bag:
Station 5: _____ Items in bag:	Station 6: _____ Items in bag:
Station 7: _____ Items in bag:	Station 8: _____ Items in bag:
Station 9: _____ Items in bag:	Station 10: _____ Items in bag:
Station 11: _____ Items in bag:	Station 12: _____ Items in bag:



Activity Page

Tracking your Path

Student Name: _____

Directions: Pick one of the careers in agriculture that interests you as a potential career path, research each of the elements below for that chosen career.

What career are you researching?

Education/Training
Required or Preferred:

Previous Experience:

Other Requirements:

What type of volunteer work could you participate in that would be aligned with this career?

What organizations could you join that are aligned with this career?

Salary/ Average Wages:

Location of Jobs/Companies that are
currently hiring:

Advancement Opportunities in the career field:



Career Cards



1



Career Cards



1



Career Cards



1



Career Cards



1



Career Cards



2



Career Cards



2



Career Cards



2



Career Cards



2



Career Cards



3



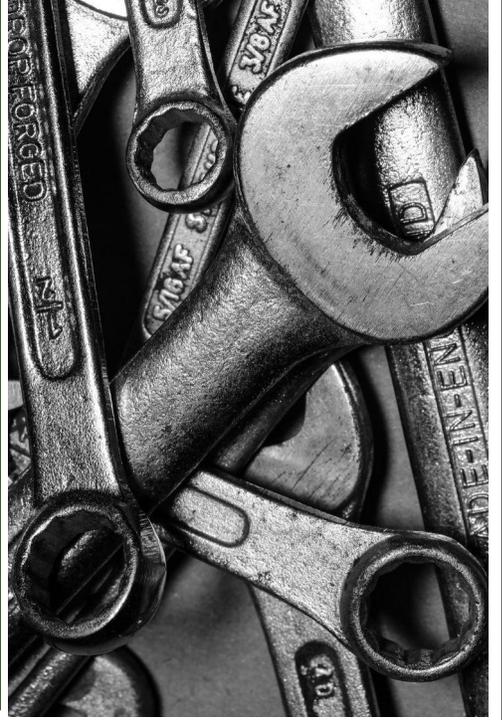
Career Cards



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Career Cards



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Career Cards

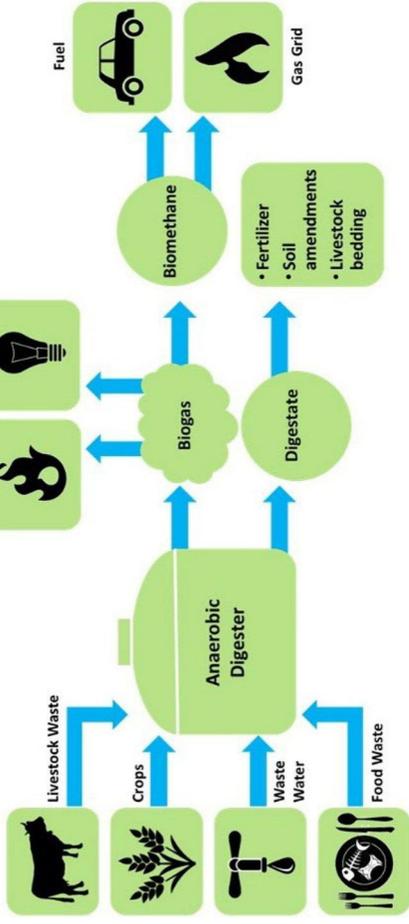


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Career Cards

Heat Electricity



Source: <https://www.eesi.org/papers/view/fact-sheet-biogasconverting-waste-to-energy>



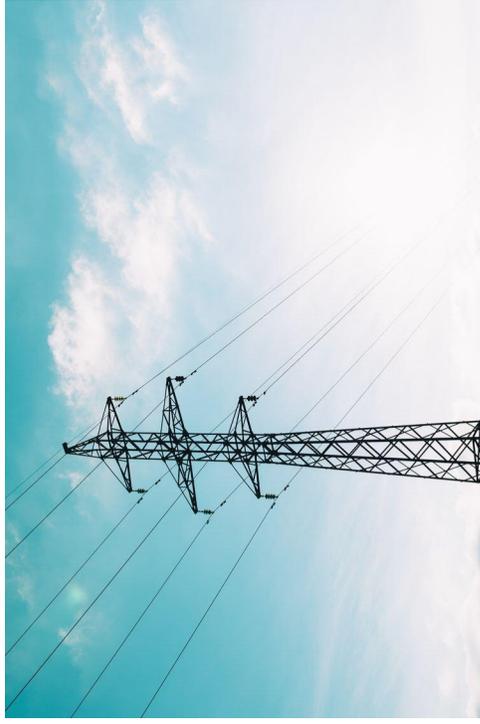
Career Cards



Career Cards



Career Cards





Career Cards



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Career Cards

16% Dairy and Beef Feed

Supplemental feed for dairy and beef cattle on pasture.

GUARANTEED ANALYSIS	
Crude Protein	Min. 16.00%
Crude Fat	Min. 3.00%
Acid Detergent Fiber	Max. 17.00%
Calcium	Min. 0.90% / Max. 1.40%
Phosphorous	Min. 0.45%
Salt	Min. 0.50% / Max. 1.00%
Copper	Min. 0.30 ppm
Selenium	Min. 0.30 ppm
Vitamin A	Min. 10,000 IU/lb

INGREDIENTS
 Grain Products, Plant Protein Products, Processed Protein By-Products, Range Products, Mineral Supplement, Vitamin E Supplement, Vitamin D3 Supplement, Vitamin B Supplement, Vitamin A Supplement, Calcium Phosphite, Choline Chloride, Calcium Carbonate, Salt, and Trace Minerals. Contains: Calcium Chloride, Cobalt, Copper Chloride, Magnesium Oxide, Zinc Oxide, Manganese Sulfate, Sodium Chloride, Sodium Selenate, and Potassium Chloride.

FEEDING DIRECTIONS
 Feed at an expected rate of 1 to 2 % of body weight as a supplement to good quality forage. Feed in a clean, dry, well-ventilated area under environmental conditions, and desired body condition. Provide plenty of clean fresh water at all times.

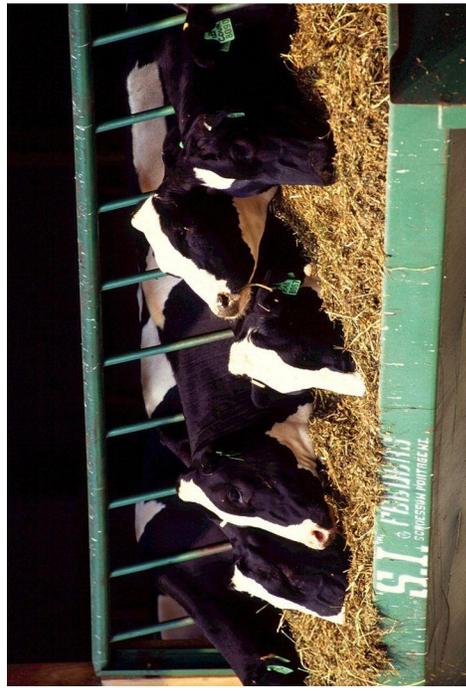
NET WT 50 LBS. - 22.68 KG
 HIRSECH FEED & SUPPLY, INC.
 THAYER, MISSOURI 65791

Source: <https://hirschfeed.com/product/16-dairy-and-beef-feed/>

5



Career Cards



5



Career Cards



5



Career Cards



6

Source: <https://extension.oregonstate.edu/lane/events/osu-extension-open-house>



Career Cards



6



Career Cards



6



Career Cards



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Career Cards



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Career Cards



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Career Cards



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Career Cards



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Career Cards



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Career Cards



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Career Cards



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Career Cards



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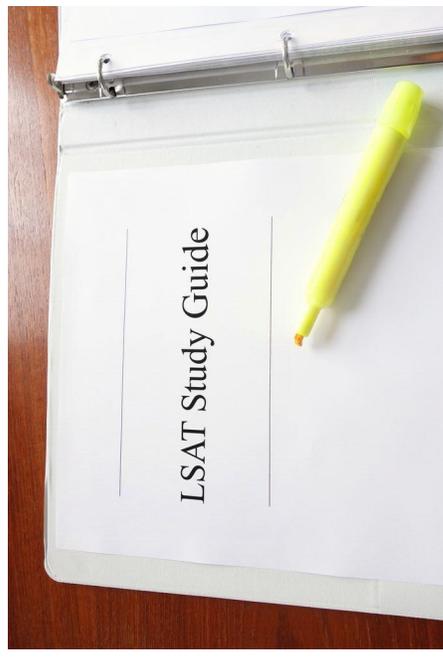
Career Cards



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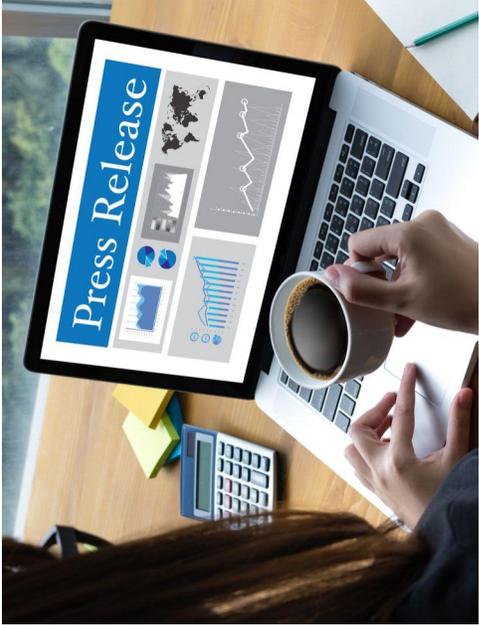
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Career Cards



Career Cards



Career Cards



Career Cards





Career Cards



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Career Cards



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Career Cards



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Career Cards



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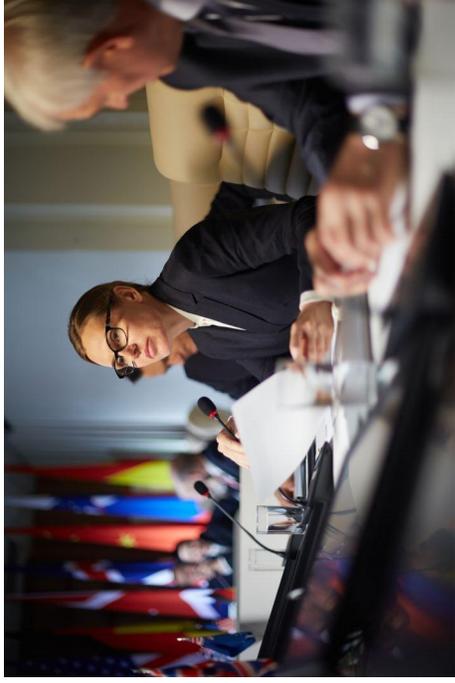
Career Cards



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Career Cards



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Career Cards



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Career Cards



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