Name_____

CASE

Activity 1.2.2 Agriscience Careers and Me

Purpose

Science and technology are instrumental for producing and processing of food, fiber, and renewable natural resources, and are the basis for many careers in agriculture. Studying agriscience careers may help you identify an agriscience career right for you and guide you to the appropriate training and experience necessary for a successful and rewarding career.

An estimated 300 different careers await you if you chose a profession in the field of agriculture. There is a need for approximately 400,000 people to fill positions in agriscience careers each year. Of those positions, there are typically only 100,000 filled by people who are educated and trained in agriscience. The remaining openings go to people who are trained in fields outside of agriculture. Openings in agriscience include areas such as mechanics, sales, genetic engineering, nutrition, and extension.

Materials

Per student:

Computer with Internet access
Pencil
Agriscience Notebook

In this activity, you will explore the career opportunities awaiting you in the fields of agriculture and natural resources. First, you will need to access the **www.careerwise.mnscu.edu** website.

Part One – Careers in Agriculture

1. Go to **www.careerwise.mnscu.edu**.
2. Select **Explore Careers** at the top left of the screen.
3. Under **Research Careers**, select **Career Clusters and Pathways**.
4. Click on **Career Clusters** and then select **Agriculture, Food, and Natural Resources** from the choices in the center.
5. Read the introductory paragraph and select **Pathways in this cluster**.
6. Within the AFNR cluster, you will see seven career pathways. Take some time to explore each pathway by clicking on the pathway. On *Activity 1.2.2 Student Worksheet*, record the following information for each pathway in Table 1.
    - Brief overview
    - Interesting careers
    - Education requirements

Part Two – Finding Your Interests

1. At the top menu, select **Assess Yourself**.
2. Next select **Take an Assessment**.
3. Select **Interest Assessment**.
4. Read the information about the Interest Assessment and then select **Get Started**.

5. Complete the Interest Assessment. When finished, record the Interest Profile Graph in Table 2.
6. Review the descriptions for your top three letters, and record how each of those letters describes you.
7. Select **Next** and enter the education level that interests you at this time.
8. Select **View careers and majors** and review the careers listed.
9. Find two to three careers that interest you and record in the first row of Table 3.
10. Select each career you have chosen and review the *Quick Facts* and links associated with the career. Note the items about the career that interest you in the second row of Table 3.
11. Select the **Majors** tab at the top of the screen. Review the Majors listed and find two or three that interest you and record in the first row of Table 4.
12. Click on each major you have chosen and review the links associated with the major. Record the items about the major that interest you in the second row of Table 4.
13. Insert a completed copy of *Activity 1.2.2 Student Worksheet* into clear plastic sheets in *Section I Careers* of your *Career Portfolio*.

Conclusion

1. Which of the pathways reviewed in Part One interests you the most?

   The pathway i was interested in the most was Power, Structural and Technical Systems.

2. How did your interests relate to the careers and majors you selected?

My interest related to the career and majors i selected, because workers apply knowledge of electronics

3. List three characteristics that make the careers you chose appealing to you.
4. Crimes
5. Nuclear
6. Cars

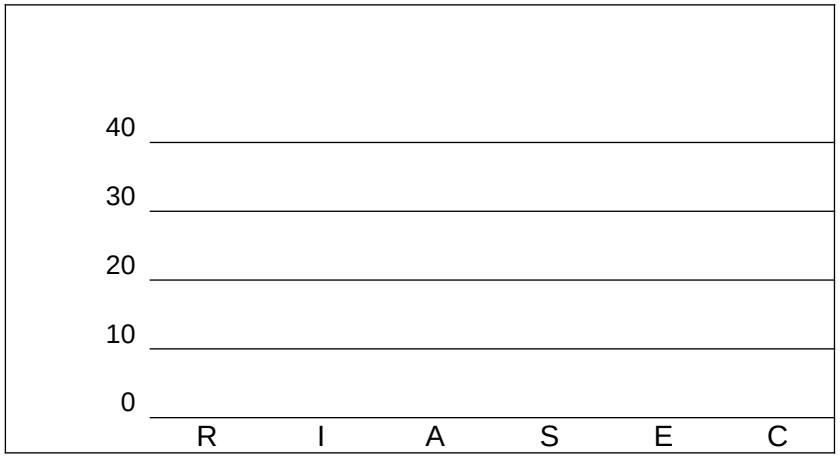
Name_____

Activity 1.2.2 Student Worksheet

Table 1. ***Agriculture Pathways***

Pathways	Overview	Careers	Education Requirements
Agribusiness	Production, processing, marketing, and distribution	farm and home	4 years
Animal	producing and processing	Animal breeders	4 years
Environment service	involved in water and air pollution control	compliance officers	1-3 years
food production and processing	involved in bulk food production the discovery of new food sources	food scientist	4 years
natural resources	develop use maintain, manage, and analyze	geo scientist	4+ years
plant	related to growing food, feed, and fiber crops	farmers and ranchers	4+ years
power,structural, and technical system	workers apply knowledge of engineering, hydraulics, pneumatic, electronics, and power structures	agriculture engineers	4+ years

Table 2. ***Interest Profile Results***



R = Realistic	Total: 24
I = Investigative	Total: 21
A = Artistic	Total: 1
S = Social	Total: 17
E = Enterprising	Total: 19
C = Conventional	Total: 15

Top Letter:R

Second Letter:I

Third Letter:E

Table 3. ***My Career Options***

Detectives and Criminal Investigators	Automotive Service Technicians and Mechanics	Nuclear Medicine Technologists
Investigate or solve crimes. Wage- $37.72 / hour	Diagnose problems and repair cars and light trucks. Wage- $21.18 / hour	Use a scanner to create images of various areas of a patient's body. Wage- $43.60 / hour

Table 4. ***My College Major Interests***

Criminal Justice and Corrections	Engineering, General	Dental Support Services and Allied Professions
Criminal justice and corrections programs prepare students to study the theories and principles of correctional science, organization management, and criminal justice.	General engineering programs prepare students to apply mathematical and scientific principles to solve industry, social organization, public works, and commerce problems.	Dental support services and allied professions programs prepare students to provide patient care, take dental x-ray photographs, prepare patients and equipment for dental procedures, and discharge office administrative functions under the supervision of dentists and dental hygienists.