

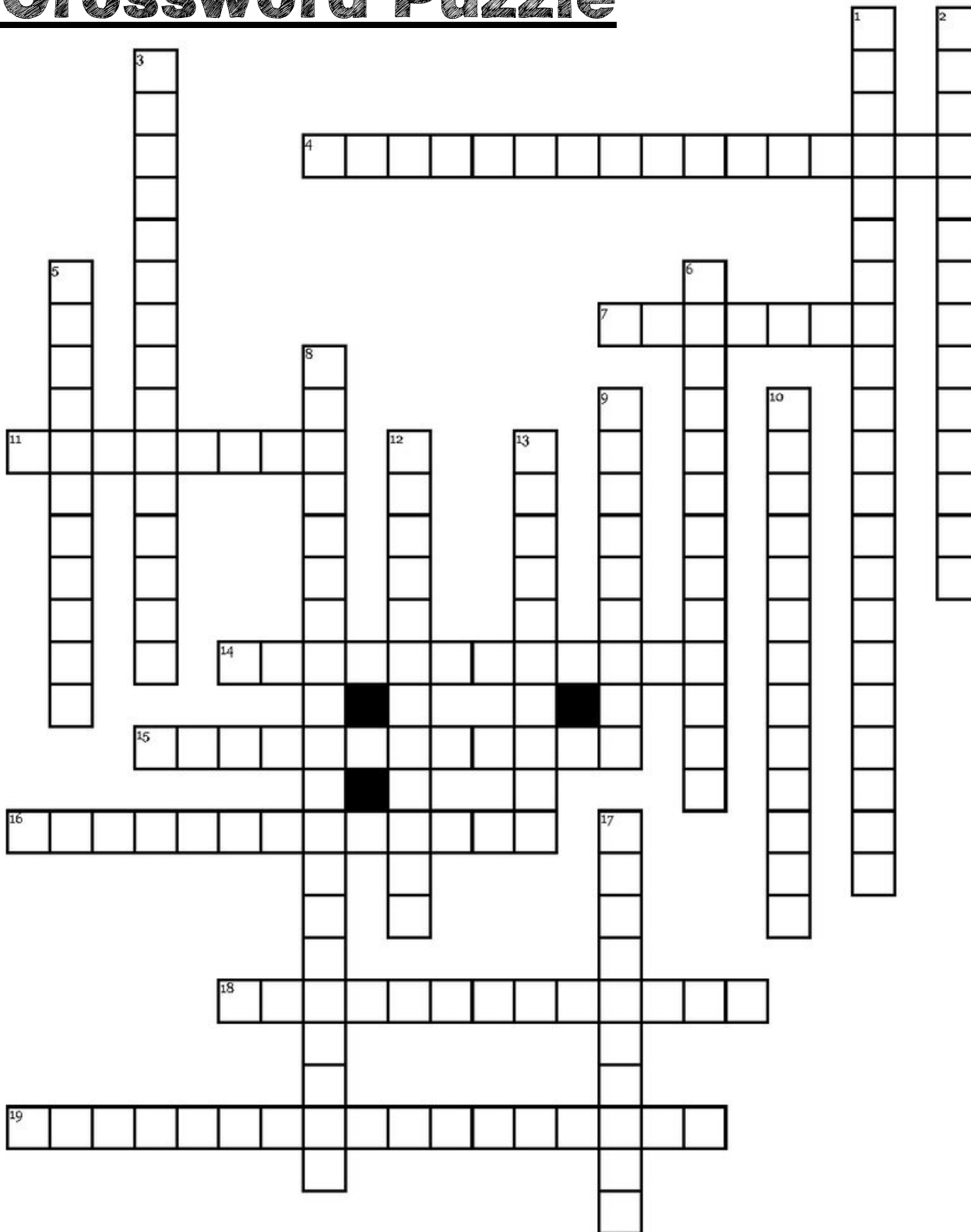
# Careers In Agriculture

6TH TO 12TH GRADE ACTIVITY NEWSLETTER

There are countless careers in the agriculture industry!  
Could you see yourself working in agriculture?

USING THE CLUES BELOW, COMPLETE THE CROSSWORD PUZZLE.

## Crossword Puzzle



### Across

4. a scientist who studies the organisms and agents that cause diseases in plants and works to develop integrated, environmentally sound approaches to managing crops and their pests.
7. a professional who specializes in the art of flower arrangement and design.
11. plan, maintain and preserve forests and forest resources for public and private use.
14. the study of insects and their relationship to humans, the environment, and other organisms.
15. diagnoses and controls animal diseases, treats sick and injured animals, prevents the transmission of animal diseases to people, and advises owners on proper care of pets and livestock.
16. studies the earth's climate and the weather patterns and processes that cause them.
18. a scientist who studies the chemical, physical, biological, and mineralogical compositions of soil, how they affect plant growth and makes recommendations for appropriate land use.
19. a scientist who studies animals in their natural habitats or in a captive setting to understand their environments, biology, and behaviors.

### Down

1. a professional who uses modern analytical management tools to make business decisions for agribusiness firms.
2. a plant and soil specialist whose responsibilities are to inspect plants, crops, and gardens, identify any issues regarding watering, fertilizing, soil, or pest control, and coordinate efforts to address the issues and improve the aesthetic or productive nature of the landscape.
3. a scientist that analyzes the sea and its interaction with the land, atmosphere, sea floors, animal life, and plants, and uses the information gained to predict changes to the earth's infrastructure, inform statutory legislation, and encourage environmental protection.
5. a scientist who studies water, its movement around the planet, how it interacts with the earth's crust, and helps to improve the availability and quality of water around the world.
6. oversees the production and safety of food by studying the basic elements, deterioration, and processing of crops and livestock using microbiology, engineering, and chemistry.
8. the area of engineering concerned with the design, construction, and improvement of farming equipment and machinery. design equipment and develop methods for land preparation, planting, and harvesting.
9. is an expert in the use of food and nutrition to promote health and manage disease.
10. specializes in operating, monitoring, and maintaining aquatic farms that grow freshwater and marine finfish, shellfish, and aquatic plants.
12. Regulates grazing and helps ranchers plan and organize grazing systems to manage, improve and protect rangelands and maximize their use.
13. crop scientist, studies plants and how they can be grown, modified, and used to benefit society.
17. a scientist that specializes in the effects of genetic variation and selection used to propagate valuable heritable trait combinations in crop plants and farm animals.

# EDUCATION STATION



- Agricultural Economist \_\_\_\_\_
- Agricultural Engineer \_\_\_\_\_
- Agronomist \_\_\_\_\_
- Aquaculturist \_\_\_\_\_
- Climatologist \_\_\_\_\_
- Dietician \_\_\_\_\_
- Electrician \_\_\_\_\_
- Entomologist \_\_\_\_\_
- Environmental Scientist \_\_\_\_\_
- Florist \_\_\_\_\_
- Food Scientist \_\_\_\_\_
- Forester \_\_\_\_\_
- Geneticist \_\_\_\_\_
- Horticulturist \_\_\_\_\_
- Hydrologist \_\_\_\_\_
- Marine Scientist \_\_\_\_\_
- Plant Pathologist \_\_\_\_\_
- Range Manager \_\_\_\_\_
- Soil Scientist \_\_\_\_\_
- Veterinarian \_\_\_\_\_
- Welder \_\_\_\_\_
- Wildlife Biologist \_\_\_\_\_

Entrance into different career paths require different levels of education. Sometimes you can obtain an entry-level position with a high school diploma, but sometimes a college degree is required. Taking specific high school courses can arm you with the knowledge and skills needed to enter the workforce and set you a notch above the competition when starting your career.

Instructions: Next to each career fill in the level of education required and list the high school courses that would be useful in preparing you for jobs in those specific areas.

## Education Diplomas/Degrees:

- High School Diploma
- Professional Certificate
- Bachelor's Degree
- Master's Degree
- Doctorate Degree

## High School Courses:

- Mathematics (algebra, trigonometry, calculus, geometry, accounting),
- Sciences (biology, chemistry, marine biology, anatomy, physics, zoology, environmental, geology),
- Communications (oral and written),
- Computer Science, Art,
- Agriculture/CTE (welding, construction, vet tech, plant science, animal science, forestry),
- Accounting, Economics, History, Public Speaking, Business

# THE DAY-TO-DAY

Pick a career from the list above that interests you. Research and write a paragraph about what the job responsibilities are on a day-to-day basis, tasks you would perform and skills you would need to be successful.

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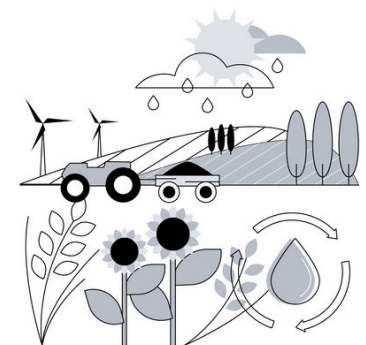
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**FLORIDA**  
**Agriculture**  
IN THE CLASSROOM