

Career

Crosswords

Grade: 6, 7, 8
Time: 15-20 minutes

Background Information:

This activity uses a crossword puzzle to help students learn about a variety of careers in the healthcare, life and physical sciences, and art, media, and sports industries.

Helpful Vocabulary:

- Apprenticeship Programs
- Associate Degree
- Bachelor's Degree

Material:

- Copies of the following handouts for each student:
 - Crossword puzzle
 - Crossword clues
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Procedure:

Step 1: Explain that today you are going to learn about different career options available to you by completing a crossword puzzle.

Step 2:

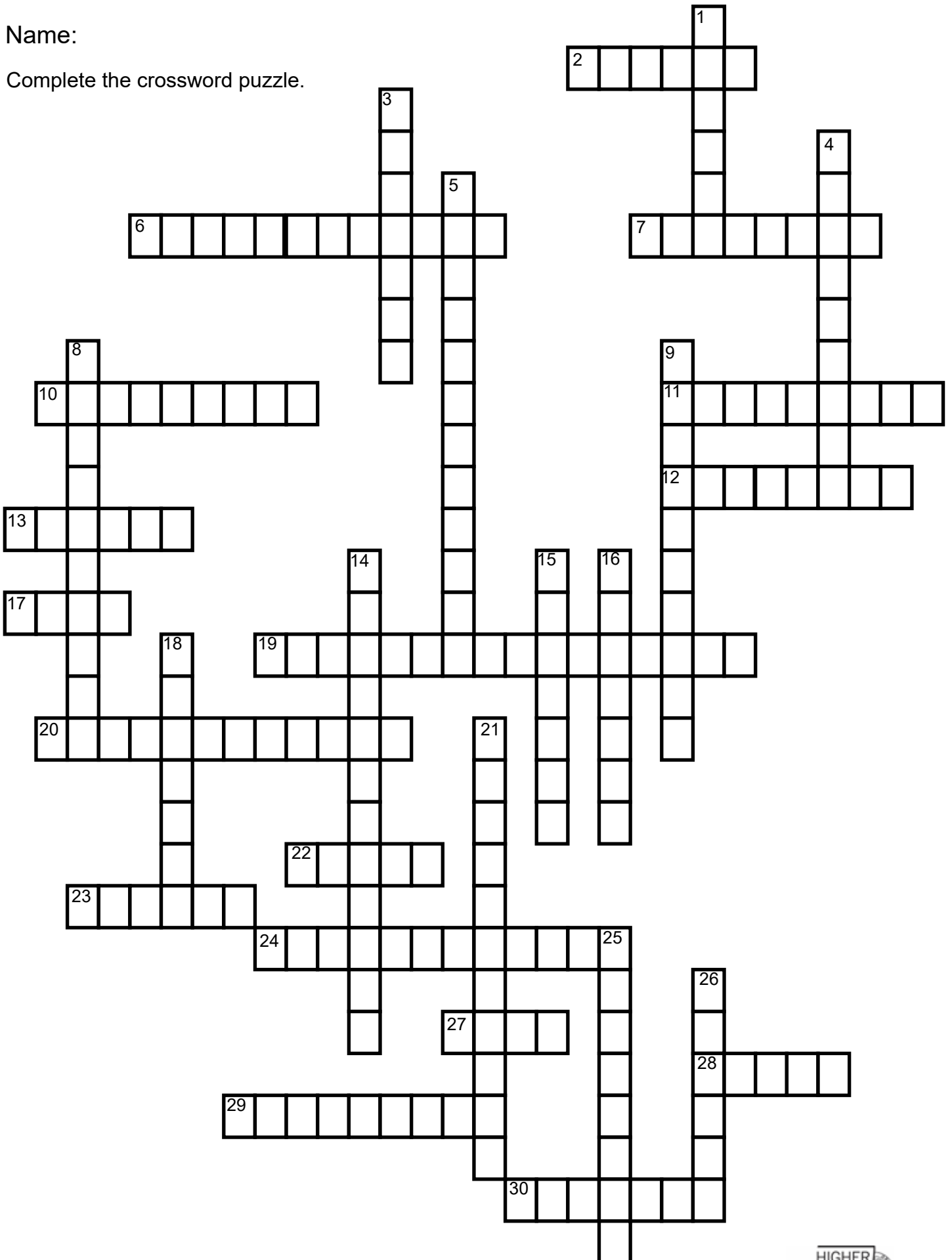
- Hand out a copy of the blank crossword puzzle and the three clue sheets (health career, life and physical sciences, and art design, sports, and media).
- Instruct students to use the clues to complete the crossword.
 - Note if students are struggling to answer the questions here are some suggestions
 - Have students work in teams or groups
 - Encourage students to research
 - Every few minutes give students a few more letters/ words/ hints.
- All words used in the crossword are job titles.
- The first letter of each answer is provided.

Optional:

- The Facilitator Notes Page includes a list of answers with O*Net numbers in case students want to do additional research or need hints.
- The Facilitator Notes Page includes additional tips for modifying this activity to meet the needs of your students.

Name:

Complete the crossword puzzle.



Crossword Puzzle Clue Sheet: Healthcare

Careers in the healthcare field: The answers to these crossword clues are all jobs related to the healthcare industry including jobs in hospitals, emergency medicine and, community health. Answers will be part or all of a job title. At least the first letter of the needed word is provided.

Across:

10. These healthcare workers clean, sterilize, and *prepare* laboratory and hospital equipment. They ensure that equipment is ready for *28 across* and doctors to use. You typically need a high school diploma for this career. Job Title: Medical Equipment P _____

11. 911 Operators often dispatch these healthcare workers to assess injuries, and provide basic emergency medical care (usually while *29 across* drives). You may need an associate degree for this career. Job Title: P _____

13. Open wide. These workers provide oral hygiene to patients, asses problems, and advise patients. You may need an associate degree for this career. Job Title: D _____ Hygienist

19. Individuals who do this job take the notes and reports created by doctors, *28 across*, and other workers and *transcribe* or rewrite them in plain language and add them to patient records. You may need an associate degree for this job. Job Title: Medical Tr _____

28. Working alongside doctors and other healthcare providers, these workers assess patient health problems and provide care to ill patients. You may need a bachelor's degree for this career. Job Title: N _____

29. Turn on the sirens and let's go we don't have time to wait. These healthcare workers ensure that *11 across* arrive to the medical emergency quickly and safely. You typically need a high school diploma for this career. Job Title: A _____ Driver

Down:

5. By implementing services and programs within a community these healthcare *workers* improve the overall *health* of an entire neighborhood You typically need a bachelor's degree for this career. Job Title: Community H _____ (answer is two words with no space)

9. Being an MRI ____ is like being a medical photographer. You use machines to take pictures of internal organs to help diagnose illnesses and injuries. You may need an associate degree for this career. Answer rhymes with impressionist. Job Title: MRI SP _____

15. Drop and give me 20 push-ups. These healthcare workers help manage and coordinate *fitness* and wellness programs. You may need a bachelor's degree for this career. Job Title: F _____ Coordinator

21. Individuals who do this job schedule appointments, bill patients, and compile and maintain medical records. They also have a working knowledge of medical terminology. You may need a high school diploma for this job. Job Title: Medical S _____

Crossword Puzzle Clue Sheet: Life and Physical Sciences

Careers in life and physical sciences: The answers to these crossword clues are all jobs related to the agriculture, food production, or forestry/ natural resources management. Answers will be part or all of a job title. The first letter of the needed word is provided.

Across:

7. These workers support *14 down*, *3 down*, and *23 across*. Ultimately these workers help ensure that woodlands are healthy and that the impacts of wildfire are reduced. You typically need a high school diploma for this career. Job Title: F_____ Aid

17. Working alongside scientists, these technicians perform tests to determine if our food is safe to eat. You may need an associate degree for this career. Job Title: F___ Science Technician

23. If you like long walks in the woodlands then this job is for you. People who do this job help replant, maintain, and protect forests and other wild habitats. You may need an associate degree for this career. Job Title: F_____ Worker

24. Technicians who do this job support agricultural scientists by preparing and running scientific tests, they may also help with animal care, or collecting samples from plants or animals. You may need an associate degree for this job. Job Title: A_____ Technician

27. When farmers need help they may call these workers. These specialists analyze things like soil conditions, the amount of insects in an area, and how best to water *crops* to help farmers improve the amount of produce they can grow. You may need a bachelor's degree for this career.
Job Title: C___ Specialist

Down:

3. People who do this job work with engineers and other professionals to collect data to build *maps* or to verify the accuracy of existing maps. You typically need an associate degree for this career.
Job Title: M_____ Technician

4. These people manage forests. They may help figure out how to protect wildlife habitat or determine when to cut down trees for economic benefit. You may need a bachelor's degree for this career.
Job Title: F_____

8. These *green* workers plant and grow fruits and vegetables in protected dwellings. You may need a high school diploma for this career. Job Title: Gr_____ Worker.

14. Scientists who work in this specialty are focused on how to *conserve* or protect the environment while at the same time making best use of our natural resources. You may need a bachelor's degree for this job. Job Title: C_____ Scientist

26. These workers trap, catch, or gather wild animals or aquatic animals. They may use nets, traps, or other equipment. You may need a high school diploma for this job. Job Title: H_____

Crossword Puzzle Clue Sheet: Art Design, Sports, and Media

Careers in Art design, sports, and media: The answers to these crossword clues are all jobs in the arts or sports fields. Answers will be part or all of a job title. The first letter of the needed word is provided.

Across:

2. The individuals who do this job record the moving images you see in television, video, or film productions. You typically need an associate degree for this career. Job Title: C_____ Operator

6. Smile for the camera. These artists take still pictures of landscapes, people, or merchandise. They use lighting and editing tools to enhance the quality of the image. You may need an associate degree for this career. Job Title: P_____

12. Individuals who do this job write the music you hear in movies, television, and on the radio. They may also conduct or direct musical groups like orchestras or choirs. You may need a bachelor's degree for this career. Job Title: C_____

20. Someone who does this job ensures that the *merchandise* you see in a store is displayed perfectly. They may also create displays for trade shows or conventions You may need an associate degree for this job. Job Title: M_____

22. Every sports team has one of these people on staff. They prepare a team for competition and assess the strengths and weaknesses of the *18 downs*. You may need a bachelor's degree for this career. Job Title: C_____

30. Taking a document or digital file and making exact copies is essentially what someone who does this job would do. You may need a high school diploma for this career. Answer rhymes with sprinter. Job Title: P_____

Down:

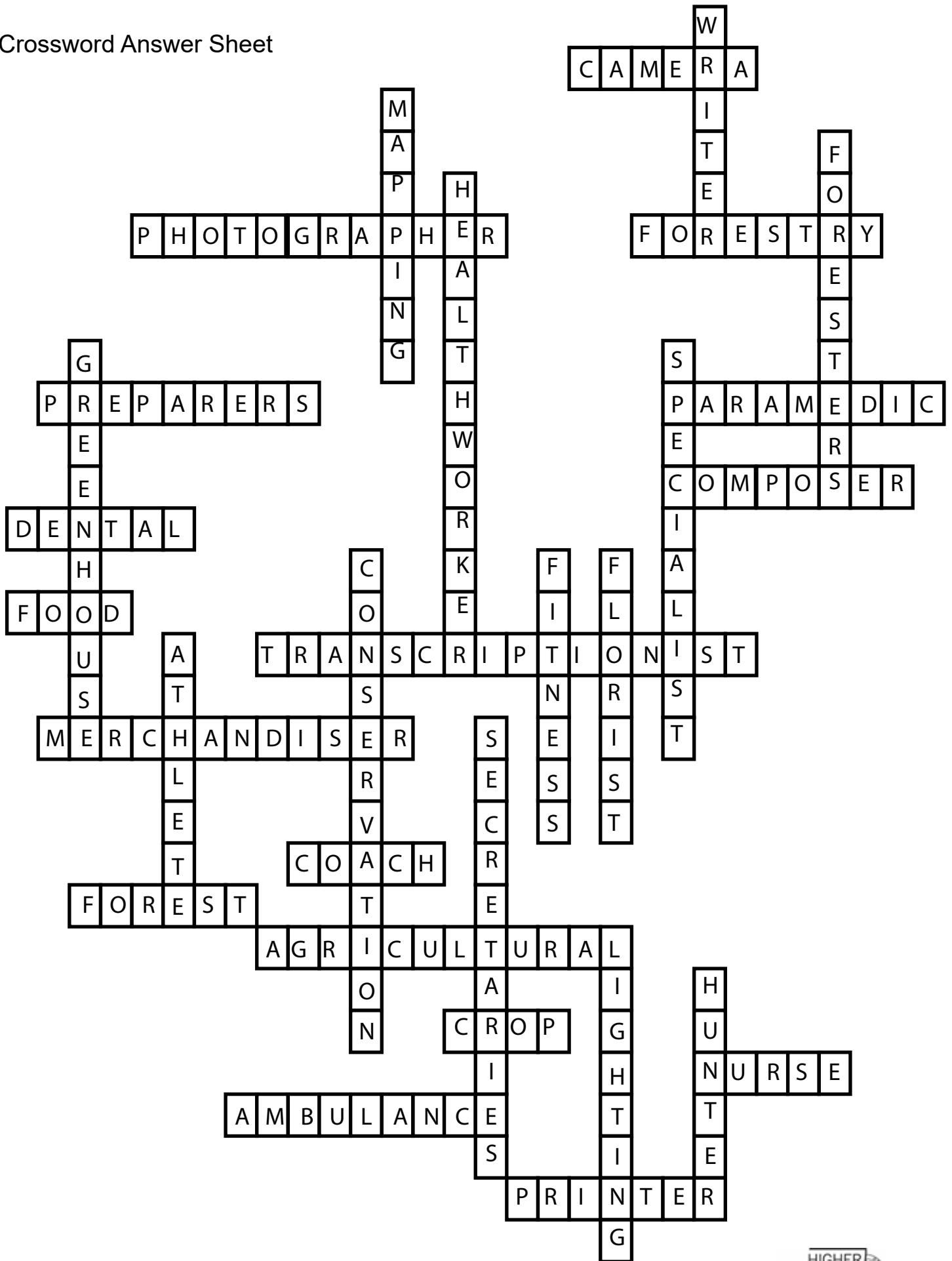
1. These workers author scripts, stories, and other material. You typically need a bachelor's degree for this career. Job Title: W_____

16. If you do this job you place plants and flowers into arrangements for celebrations or special events or occasions. You need a high school diploma for this career. Job Title: F_____

18. People who compete in sporting competitions. They are supported by a *22 across*. You may need at least a high school diploma for this career. Job Title: A_____

25. Individuals who do this job may assist *2 across* or *6 across* by setting up and controlling devices that help them see better. Some electrical experience would be helpful. You may need an associate degree for this job. Answer rhymes with sighting. Job Title: L_____ Technicians

Crossword Answer Sheet



Facilitator Notes

Overview:

Career Crossword is a career exploration activity that highlights careers in healthcare, life and physical sciences, and art design, sports, and media. Students learn about different careers by answering clues and completing the crossword. This activity includes 30 clues (30 different careers). Clues are separated by job family and the average education needed to enter that job (bachelor's degree, associate degree, or high school diploma).

Each career description was written using information from O*Net. The complete list of careers and their O*Net is listed on the Career Matrix on the following page.

Extension Ideas:

This activity is designed to be a short self-contained activity that students can do as a group or independently. Facilitators can extend or modify the activity in several ways to meet the needs of their students, here are some suggestions.

- **Break it Down:** Because the clues are separated by job family you can break the crossword into smaller pieces by only giving students one set of clues at a time. This way you can spread out the activity over the course of several days.
 - If spacing out the activity over several days this provides the facilitator a chance to pre-teach some of the job titles.
- **Hide and Seek:** If using this activity in a classroom setting the facilitator can printout answers on paper and hide them around the room. When students get stuck the facilitator can encourage students to “take a walk” around the room and see if anything catches their eyes. Similarly facilitators can “hide” some of the answers in various lessons earlier in the day.
- **Beat the Clock:** In this modification students are given a time limit to solve a crossword clue, when time is up the answer is shared.
 - If using this activity the facilitator might opt to give verbal hints... for example our school has one of these and they work in the front office (Secretary).
- **Group Work:** If using this activity as a group activity you can divide students into various different groups to complete answers. You can divide students by job family or by education level. Encourage students to share answers between groups.
- **Backwards Crosswords:** In this strategy the facilitator gives students the answers but fails to tell them which questions they go to. This is strategy is helpful if you are short on time or students are struggling to complete the activity.
- **Discussion:** After students have completed the crossword puzzle facilitate a discussion. Ask students which careers sounded interesting and which didn't? What classes in high school or middle school could help them enter that career?
- **Research:** After completing the crossword have student select one career and complete an research project on that career.

Career Crossword, Career Matrix

Answer	Location	Job Title	O*Net #	Career Cluster	Education
Agricultural	24 Across	Agricultural Technician	19-4012.00	Life and Physical Sciences	AA Degree
Ambulance	29 Across	Ambulance Driver	53-3011.00	Healthcare	HS Diploma
Athlete	18 Across	Athlete	27-2021.00	Art, Sport, Media	HS Diploma
Camera	2 Across	Camera Operator	27-4031.00	Art, Sport, Media	AA Degree
Coach	22 Across	Coach	27-2022.00	Art, Sport, Media	BA Degree
Composer	12 Across	Music Composer	27-2041.00	Art, Sport, Media	BA Degree
Conservation	14 Down	Conservation Scientist	19-1031.00	Life and Physical Sciences	BA Degree
Crop	27 Across	Crop Specialist	19-4012.01	Life and Physical Sciences	BA Degree
Dental	13 Across	Dental Hygienists	29-1292.00	Healthcare	AA Degree
Fitness	15 Down	Fitness Coordinator	11-9179.01	Healthcare	BA Degree
Florist	16 Down	Florist	27-1023.00	Art, Sport, Media	HS Diploma
FoodScience	17 Across	Food Science Technician	19-4013.00	Life and Physical Sciences	AA Degree
Forest	23 Across	Forest Worker	45-4011.00	Life and Physical Sciences	AA Degree
Foresters	4 Down	Foresters	19-1032.00	Life and Physical Sciences	BA Degree
Forestry	7 Across	Forestry Aide	19-4071.00	Life and Physical Sciences	HS Diploma
Greenhouse	8 Down	Greenhouse Worker	45-2092.00	Life and Physical Sciences	HS Diploma
HealthWorker	5 Down	Community Health Worker	21-1094.00	Healthcare	BA Degree
Hunter	26 Down	Hunter	45-3031.00	Life and Physical Sciences	HS Diploma
Lighting	25 Down	Lighting Technicians	27-4015.00	Art, Sport, Media	AA Degree
Mapping	3 Down	Mapping Technician	17-3031.00	Life and Physical Sciences	AA Degree
Merchandiser	20 Across	Merchandiser	27-1026.00	Art, Sport, Media	AA Degree
Nurse	28 Across	Nurse	29-1141.00	Healthcare	BA Degree
Paramedic	11 Across	Paramedics	29-2043.00	Healthcare	AA Degree
Photographer	6 Across	Photographers	27-4021.00	Art, Sport, Media	AA Degree
Preparers	10 Across	Medical Equipment Preparers	31-9093.00	Healthcare	HS Diploma
Printer	30 Across	Printer	51-5112.00	Art, Sport, Media	HS Diploma
Secretaries	21 Down	Medical Secretaries	43-6013.00	Healthcare	HS Diploma
Specialist	9 Down	MRI Specialist	29-2035.00	Healthcare	AA Degree
Transcriptionist	19 Across	Medical Transcriptionists	31-9094.00	Healthcare	AA Degree
Writer	1 Down	Writer	27-3043.00	Art, Sport, Media	BA Degree