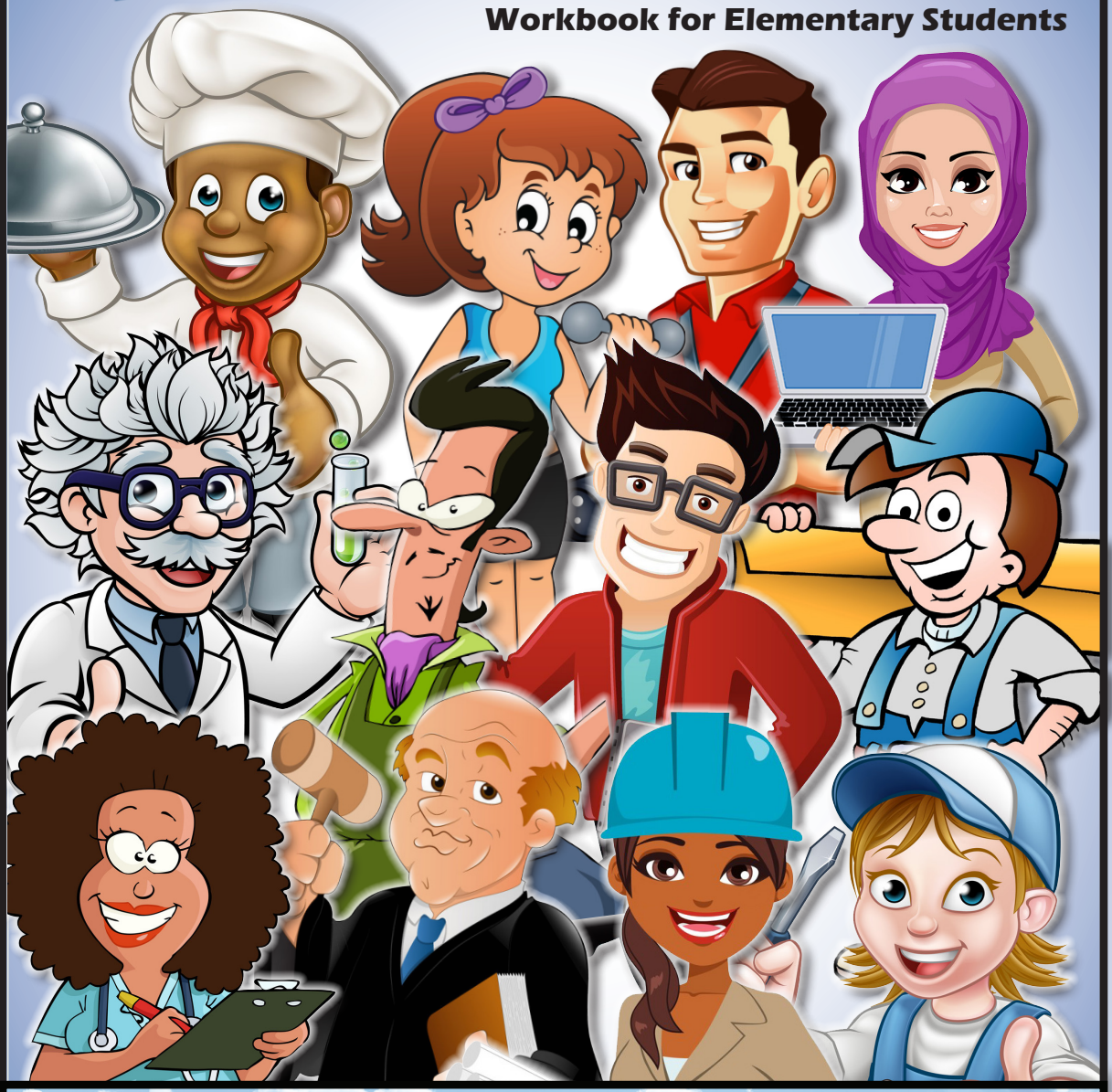
CAREER HEROES

A Career Awareness
Workbook for Elementary Students



TEACHER'S GUIDE

WITH ADDITIONAL CLASSROOM ACTIVITIES

Office of Occupational and Labor Market Information
Delaware Career Resource Network

DELAWARE DEPARTMENT OF LABOR

May 2025

CAREER HEROES

TEACHER'S GUIDE

State of Delaware
Matt Meyer, *Governor*

Delaware Department of Labor
LaKresha Moultrie, *Secretary*

Adapted by:
Delaware Department of Labor
Office of Occupational and Labor Market Information (OOLMI)
Delaware Career Resource Network

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TABLE OF CONTENTS

Section One: Career Heroes Workbook....5

Occupations Pages 6

Answer Key: Occupations Pages 7

Additional Workbook Activities 9

Section Two: Trading Card Activities..... 12

Preparing for the Activities 13

Activity 1: Career Heroes Bingo 14

Activity 2: The Wage Game 20

Activity 3: Name That Skill 21

Activity 4: Career Clusters Match 24

Activity 5: Occupation of Choice 28

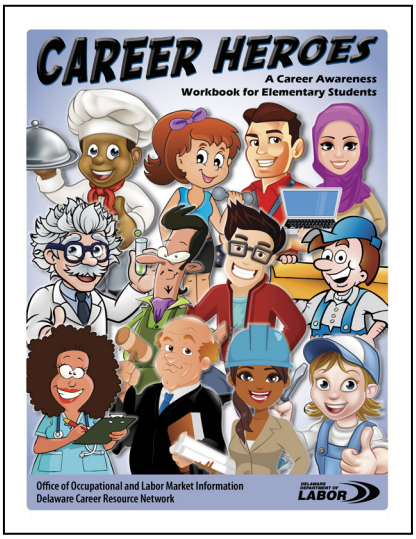
Activity 6: Career Heroes Community 30

Appendix A: Career Heroes Cards 32

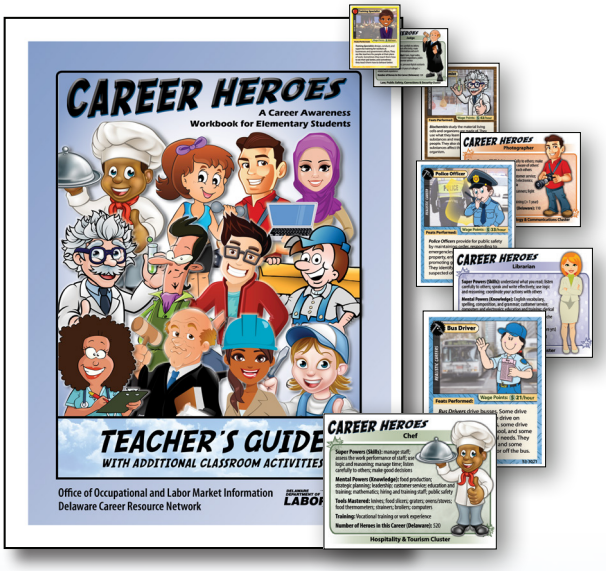
INTRODUCING THE CAREER HEROES

Career Heroes is a set of career education tools designed around the theme of popular trading card games. The goal of *Career Heroes* is simple: to introduce elementary school children to the concept of career planning and to teach them the basics of using career information. *Career Heroes* consists of two main components:

The Career Heroes Workbook



The Career Heroes Trading Card Activities



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The *Career Heroes Workbook* is designed to show students that their future careers can and should suit their personality types. As such, the workbook is organized according to the Holland Codes.

Holland Personality Types:			Keywords:
Realistic	=	"Doers"	practical, athletic, mechanical, persistent, systematic, stable
Investigative	=	"Thinkers"	analytical, scholarly, scientific, curious, introspective, precise
Artistic	=	"Creators"	expressive, intuitive, independent, imaginative, innovative
Social	=	"Helpers"	friendly, cooperative, empathetic, patient, insightful, kind
Enterprising	=	"Persuaders"	sociable, energetic, adventurous, inquisitive, assertive
Conventional	=	"Organizers"	well-organized, systematic, accurate, efficient, structured

The ***Career Heroes Workbook*** is divided into two major sections. The first introduces students to specific careers that correspond to the Holland Codes. For each personality type, the workbook describes six occupations, two of which are highlighted with their own character cards. These cards list career information such as work activities, tools used, training required, and wages. *(***Note:** *The cards depicted in the workbook may not be identical to the actual trading cards.)*

The first section also provides a number of activities that relate to the occupations described in each section. For instance, after students read about the *Nutritionist,* they are asked to draw a picture of a healthy meal that includes all the basic food groups. *(***Note:** *Students may need to discuss or research the food groups.)*

The second section of the workbook (starting on page 23) provides an assortment of additional activities to get students thinking about the range of careers that exist, and how their personal interests and preferences can help them choose the kind of work they would like to do.

The ***Career Heroes Teacher's Guide*** is also divided into two parts. Section one is a guide to the *Career Heroes Workbook.* It introduces each activity, and provides answer keys for the exercises that have specific answers. Section two provides instructions and resources for conducting the trading card activities. The *Career Heroes Trading Cards* are not currently available in print but can be downloaded from our website at ***https://laborfiles.delaware.gov/dcrn/docs/Career-Hero-Cards-All.pdf***

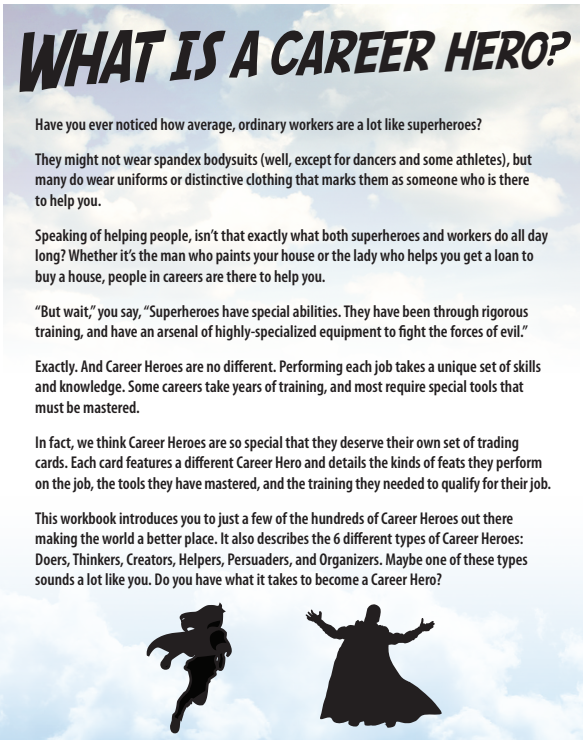
The trading card activities are meant to be led by the teacher, and involve both small group work and whole class collaboration. These activities require that the teacher provide students with a set, or several sets, of *Career Heroes Trading Cards*. The trading cards can be downloaded and printed from our website as noted above**.** Please refer to page 12 to determine how many sets of cards you will need.

The Career Heroes activities call on students to use a wide range of knowledge and skills including reading, writing, mathematics, and art. It also requires research and interviewing skills.

SECTION ONE: CAREER HEROES WORKBOOK

The *Career Heroes Workbook* is designed to give students their first look at career planning. While most students will be aware that workers in different occupations do different kinds of work, they may not yet understand that people can choose the kind of work that best suits their personalities, and that they can use career information to help them decide which types of jobs are the best fit for them.

Try leading into the workbook by asking students to tell the class what their parents/guardians/neighbors/friends do for a living. Once everyone has had the chance to share, pose the following question: How did your father/mother/guardian/neighbor/close friend decide to become a (job title)? Chances are, most students will have no idea what led to these career decisions, and it may not have occurred to some that it was a choice at all. You might share with them the story of how you came to be a teacher. Tell them about other careers you might have considered, and why you decided against them. You might also ask them what jobs they would like to pursue, and why they think they would be good at that job. However you bring up the topic, you will want to pose the following question: ***How do people decide which job they want?*** The answer: ***They think about their own interests and talents, they get information on jobs that seem appealing, they find out how to prepare for the job they want, and they make a career plan.*** The *Career Heroes Workbook* will reinforce these ideas.



WHAT IS A CAREER HERO?

Have you ever noticed how average, ordinary workers are a lot like superheroes?

They might not wear spandex bodysuits (well, except for dancers and some athletes), but many do wear uniforms or distinctive clothing that marks them as someone who is there to help you.

Speaking of helping people, isn't that exactly what both superheroes and workers do all day long? Whether it's the man who paints your house or the lady who helps you get a loan to buy a house, people in careers are there to help you.

"But wait," you say, "Superheroes have special abilities. They have been through rigorous training, and have an arsenal of highly-specialized equipment to fight the forces of evil."

Exactly. And Career Heroes are no different. Performing each job takes a unique set of skills and knowledge. Some careers take years of training, and most require special tools that must be mastered.

In fact, we think Career Heroes are so special that they deserve their own set of trading cards. Each card features a different Career Hero and details the kinds of feats they perform on the job, the tools they have mastered, and the training they needed to qualify for their job.

This workbook introduces you to just a few of the hundreds of Career Heroes out there making the world a better place. It also describes the 6 different types of Career Heroes: Doers, Thinkers, Creators, Helpers, Persuaders, and Organizers. Maybe one of these types sounds a lot like you. Do you have what it takes to become a Career Hero?

Workbook Introductory Page

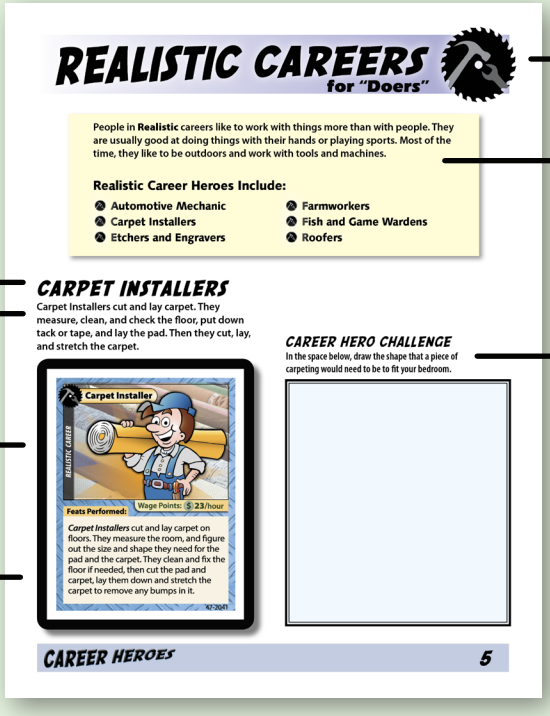
Either read this introduction to your students, or ask them to read it quietly to themselves.

Explain to your students that the six types of *Career Heroes* actually describe work personality types, which can be used to help them decide what type of jobs to pursue.

OCCUPATION PAGES

The *Workbook's* first half is meant to expose students to a variety of occupations they may not be familiar with (such as *Computer Systems Analysts* and *Forensic Science Technicians*), and to clarify the tasks performed by workers with familiar job titles (such as *Carpet Installers* and *Travel Agents*). A typical occupation page from the workbook will look similar to this:

Anatomy of an Occupation Page



Holland personality type section header (career type)

Description of personality type and list of Career Heroes included in the section

Occupation Title

Job Description

Career Heroes Card *(May not be identical to trading card)*

Career Information

Career Hero Challenges:

Short activities relating to the careers discussed on the page.

Occupation Pages:

Introduce each of the six occupation sections (corresponding to the six work personality types) by reading aloud the description of the Holland Personality Type in the yellow box, as well as the listed occupations. Ask your students what other jobs might be included under that Career Hero Type.

Review the first card aloud with the class, starting with the Occupation Title and Job Description. Point out the Career Information listed on the card, including the ***Wage Points***. Explain that one way people choose their careers is by researching this type of information. The information provided on the cards is explained below.

Feats Performed are the work activities. This information provides an overview of the day-to-day tasks involved in the job.

Back of Cards:

Skills are what you actually do on the job. It is your ability to use your knowledge and apply it in a work context.
Knowledge is what you learn from books, teachers, media, and other sources. It is in your head.
Tools Mastered describes the tools and technology the workers must learn to use.
Training lists the minimum education level need to qualify for the job.
Employment shows how many people in Delaware hold that particular job.

ANSWER KEY: OCCUPATION PAGES

REALISTIC CAREERS for "Doers"

AUTOMOTIVE MECHANIC

Automotive Mechanics repair automobiles, trucks, buses, and other vehicles. They talk to customers, test drive vehicles, and use diagnostic equipment to determine the problem. They also perform routine maintenance on vehicles.



CAREER HERO CHALLENGE

List three businesses in your community where you would find an Automotive Mechanic.

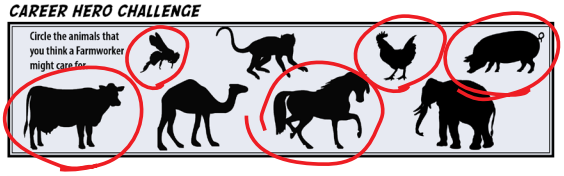
1. _____
2. _____
3. _____

FARMWORKERS, FARM AND RANCH ANIMALS

Farmworkers care for live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees. They attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey.

CAREER HERO CHALLENGE

Circle the animals that you think a Farmworker might care for.



INVESTIGATIVE CAREERS for "Thinkers"

COMPUTER SYSTEMS ANALYSTS

Computer Systems Analysts design and plan ways that computers can do work for businesses and people. They study the kinds of work to be done, then they find or make computer equipment and software that can do the job. They test the finished system to make sure it works correctly.

CAREER HERO CHALLENGE

See if you can list three things that computers can do for people that used to have to be done by hand.

1. _____
2. _____
3. _____

VETERINARIAN

Veterinarians diagnose and treat animals with diseases or injuries. They help both pets and farm animals. They may also do research to help find better treatments, and advise pet owners and farmers how to care for their animals.

CAREER HERO CHALLENGE

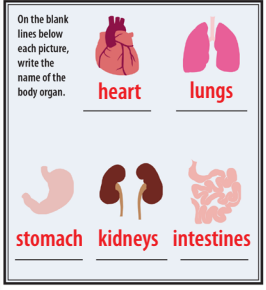
Draw a picture of a pet that you have or would like to have.

INTERNISTS, GENERAL

Internists diagnose and provide non-surgical treatment of diseases and injuries of internal organ systems. They provide care mainly for adults who have a wide range of problems associated with the internal organs.

CAREER HERO CHALLENGE

On the blank lines below each picture, write the name of the body organ.



INVESTIGATIVE CAREERS for "Thinkers"

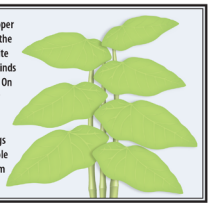


SOIL AND PLANT SCIENTISTS

Soil and Plant Scientists research plants to see in what conditions they thrive. They may work with agricultural plants, studying what makes up the soil, and also how plants grow in different soils.

CAREER HERO CHALLENGE

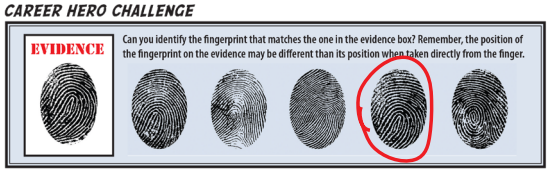
On the upper leaves of the plant, write in three kinds of plants. On the lower leaves, write in four things that people make from plants.



FORENSIC SCIENCE TECHNICIANS

Forensic Science Technicians help police investigate crimes. They collect, identify, and analyze evidence from crime scenes. They may specialize in areas like fingerprinting or handwriting.

CAREER HERO CHALLENGE



ARTISTIC CAREERS for "Creators"

PHOTOGRAPHERS

Photographers produce and preserve images that paint a picture, tell a story, or record an event. They may take pictures of people, subjects, merchandise, or other commercial products. They may work in a studio or on location.



CAREER HERO CHALLENGE

Photographers work with both objects and people. Find the words listed below in the word search puzzle.

BRIDE	FRAME	SHUTTER
CAMERA	IMAGE	SMILE
DIGITAL	LIGHT	STUDIO
FILM	SCAN	TRIPOD

F	A	R	E	M	A	C	M	T	J
V	M	T	E	S	M	I	L	E	X
R	D	L	A	T	I	G	I	D	V
C	J	L	H	U	T	T	F	U	U
S	G	G	Z	D	R	U	Q	C	N
J	I	B	R	I	D	E	H	S	H
L	W	C	P	O	M	M	C	S	C
W	D	O	X	H	O	A	L	F	B
R	D	C	D	Q	N	R	G	Y	N
Q	D	S	U	L	C	F	V	E	P

FLORAL DESIGNERS

Floral Designers trim flowers to make bouquets, sprays, and wreaths. They make up dish gardens and flower arrangements. They arrange flowers the way their customers want, using the colors and types of flowers they choose.

CAREER HERO CHALLENGE

List 3 events for which you might hire a Floral Designer.

1. _____
2. _____
3. _____

ANSWER KEY: OCCUPATION PAGES

SOCIAL CAREERS for "Helpers"

People in Social careers like to help, teach, and give people advice more than they like to work with things. They like to be around other people, are interested in how people get along, and like to help other people with their problems.

Social Career Heroes Include:

- Child Care Workers
- Emergency Medical Technicians
- Fitness Trainers
- Medical Assistants
- School Counselors
- Training Specialists



EMERGENCY MEDICAL TECHNICIANS

Emergency Medical Technicians, or EMTs, provide emergency medical care at the scene of an accident or in people's homes after someone calls 911. EMTs find out the patient's condition and decide the immediate treatment needed. They give emergency care following strict rules. When needed, they transport the patient to a hospital for further treatment.

CAREER HERO CHALLENGE

In the box to the right, circle the things that could *prevent* an accident. Then, cross out the items that could *cause* an accident or health problem.



SOCIAL CAREERS for "Helpers"

TRAINING SPECIALISTS

Training and Development Specialists manage and carry out training and development programs for employees. They study how adults learn and help workers gain skills to make them better at their jobs.

CAREER HERO CHALLENGE

List 4 things you're good at that you could teach others to do.

1. _____
2. _____
3. _____
4. _____

SCHOOL COUNSELORS

School Counselors help evaluate students' abilities, interests, and talents to set goals for school, work, and life. They work with individuals and with groups of students. They also work with teachers to help classroom activities meet children's needs.

CAREER HERO CHALLENGE

Name three skills that School Counselors should have to do their job well.

1. _____
2. _____
3. _____

MEDICAL ASSISTANTS

Medical Assistants help keep the offices of doctors and other health care providers running smoothly. They may answer telephones, greet patients, update and file medical records, and fill out insurance forms. They may also schedule appointments and handle billing. Some medical assistants may ask patients about their medical histories and record vital signs like heart rate, blood pressure, and body weight. They may also prepare patients for examination and help doctors during the exam.

CAREER HERO CHALLENGE

Circle the tools or supplies a Medical Assistant might use in a doctor's office.



CONVENTIONAL CAREERS for "Organizers"

MAIL CARRIER

Mail Carriers sort mail for delivery. They deliver mail to residences and business establishments along specified routes by walking or driving, using a combination of satchels, carts, cars, and small trucks.They also deliver packages. When they finish their route, they return to the post office with mail collected from the homes, businesses, and public mailboxes.



CAREER HERO CHALLENGE

Unscramble the following mail words.

amli krtcu	mail truck
spto fiofec	post office
nleepveo	envelope
caeagkp	package
psatm	stamp
ieldyrev	delivery
riatonifnom	information
oerut	route
omlxabi	mailbox
edabcro	barcode

BANK TELLERS

Bank Tellers work directly with the public in banks and other financial workplaces. They cash checks, accept deposits and loan payments, and help customers withdraw money from their accounts. They may also sell savings bonds and traveller's checks, accept payments for customers' utility bills, and process paperwork.

CAREER HERO CHALLENGE

Suppose you are a Bank Teller. A customer wants to cash a check for $109.28 and withdraw $74.97 in cash from her savings account. How much total cash will she get?

$109.28
+ $74.97
= $184.25

CONVENTIONAL CAREERS for "Organizers"

LIBRARIANS

Librarians work in a variety of settings including public libraries, schools, museums, law firms, corporations, and non-profit and government agencies. They select, acquire, catalogue, circulate, and maintain library materials. They perform research and work with databases and information systems. They often teach customers how to use library resources.

CAREER HERO CHALLENGE

1. Put a check mark to the *left* of the characteristics that are important for a Librarian to have.
2. Put a check mark to the *right* for each characteristic that you have.

☑	Well-mannered	☐
☑	Helpful	☐
☑	Good Listener	☐
☐	Athletic	☐
☑	Organized	☐
☐	Strong math skills	☐
☐	Like to be outside	☐

LOAN OFFICERS

Loan Officers determine whether or not a bank can lend money to specific borrowers. Officers meet with loan applicants to answer their questions, to explain the different types of loans that are available, and to work out the terms and conditions for paying off the loan. They review loan applications and research the credit history of the applicants.

CAREER HERO CHALLENGE

Suppose a friend wants to borrow money from you. What questions would you ask your friend to help you decide whether you would loan the money or not?

COMPLIANCE OFFICERS

Compliance Officers examine permits, licenses, applications, and records to ensure that people comply with licensing requirements. They determine the nature of code violations, write violation notices, and participate in enforcement hearings. Compliance Officers prepare, organize, and maintain inspection records. They monitor follow-up actions where violations were found.

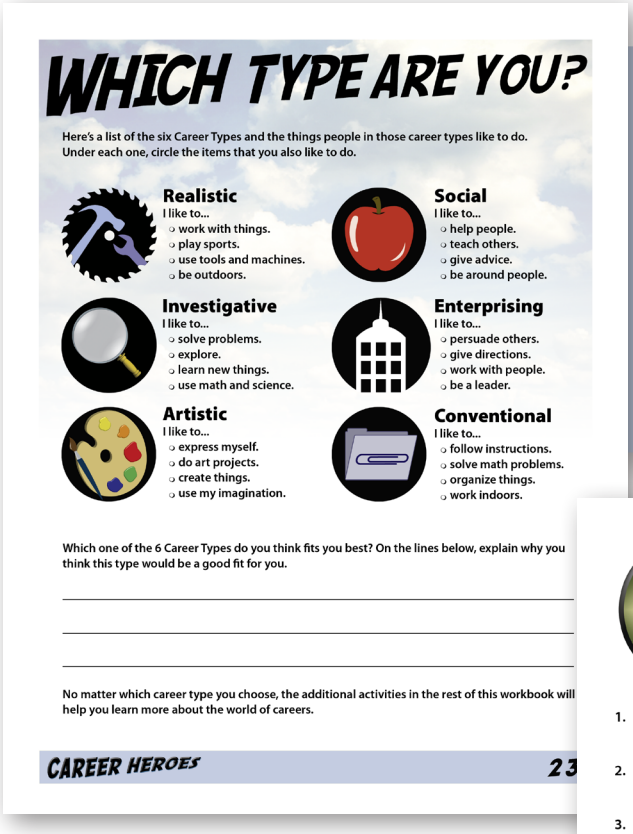
ORGANIZERS

What other careers can you think of that might be in the Conventional group?

_____
_____
_____

ADDITIONAL WORKBOOK ACTIVITIES

The second half of the *Career Heroes Workbook* provides additional activities to reinforce and expand upon what your students have learned. This section of the *Teacher's Guide* will introduce the additional workbook activities and provide an answer key for each.



WHICH TYPE ARE YOU?

Here's a list of the six Career Types and the things people in those career types like to do. Under each one, circle the items that you also like to do.

Realistic
I like to...
- work with things.
- play sports.
- use tools and machines.
- be outdoors.

Social
I like to...
- help people.
- teach others.
- give advice.
- be around people.

Investigative
I like to...
- solve problems.
- explore.
- learn new things.
- use math and science.

Enterprising
I like to...
- persuade others.
- give directions.
- work with people.
- be a leader.

Artistic
I like to...
- express myself.
- do art projects.
- create things.
- use my imagination.

Conventional
I like to...
- follow instructions.
- solve math problems.
- organize things.
- work indoors.

Which one of the 6 Career Types do you think fits you best? On the lines below, explain why you think this type would be a good fit for you.

No matter which career type you choose, the additional activities in the rest of this workbook will help you learn more about the world of careers.

CAREER HEROES 23

Page 23:

"Which Type Are You?" gives students a quick review of the work personality types and asks them to apply the concept to themselves. It's okay if students choose more than one type. In fact, full interest inventories generally assign three Holland codes, allowing for a greater range of personality types.



ADDITIONAL ACTIVITIES

TRUE/FALSE QUIZ

Check the boxes to indicate whether each statement is true or false. On the blank lines, write why you chose true or false.

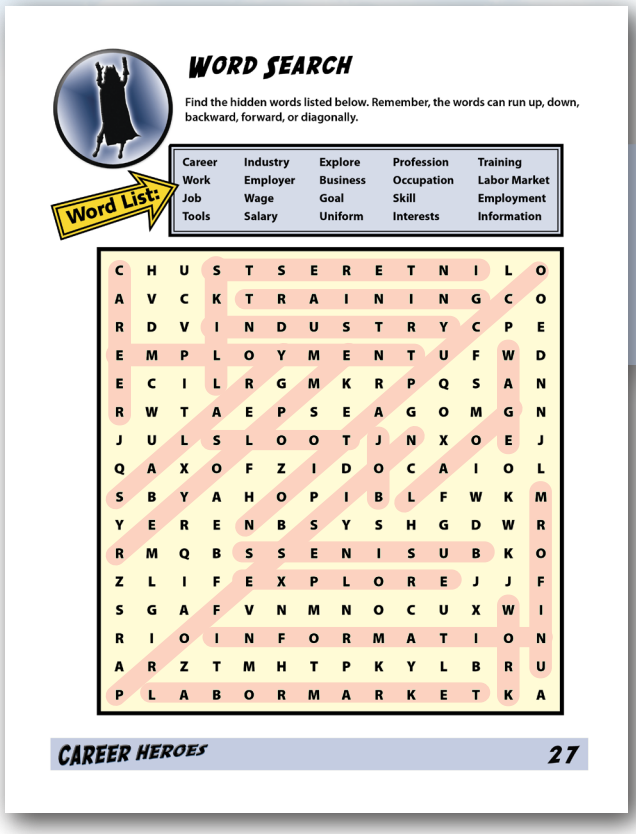
		True	False
1.	I need to know exactly what I want to be when I grow up. Right now, it's more important to know what your interests are.	☐	☑
2.	Once I decide on a career, I have to stay in that career for the rest of my life. People switch careers all the time, but it's still smart to plan.	☐	☑
3.	My job right now is being a student in school. And you do get paid for your work - not in money, but in education.	☑	☐
4.	Lots of good work habits begin when I am a student. For example, listening, following directions, being on time, etc.	☑	☐
5.	Kids my age don't have jobs. Kids may get paid to do chores around the house, yard, or farm.	☐	☑
6.	The only place we learn things is in school. We are constantly learning - from our parents, friends, books, and even TV.	☐	☑
7.	Working in a group is easy because everyone always agrees with one another. Group members must learn to work together despite disagreements.	☐	☑
8.	People get hired for jobs just because they want them. To get hired you must be valuable to the employer (experience, ideas, etc.).	☐	☑
9.	I need information to make good choices. There can be a big difference between our ideas about a job, and reality.	☑	☐
10.	Positive thinking helps me take action; negative thinking causes me to stop. Self-confidence is the key to success. If you think you can't succeed, you won't.	☑	☐
11.	I can learn from my mistakes. The lessons we never forget most often come from our mistakes.	☑	☐
12.	It is important for me to have a plan of action when I decide on a career. When you take a trip, desire alone will not get you there. You need a map.	☑	☐

24 A Career Awareness Workbook for Elementary Students

Page 24:

"True/False Quiz" is designed to show students that they are already preparing for a future career in many ways. Questions emphasize positive work attitudes and behaviors.

ADDITIONAL WORKBOOK ACTIVITIES



WORD SEARCH

Find the hidden words listed below. Remember, the words can run up, down, backward, forward, or diagonally.

Word List:

Career	Industry	Explore	Profession	Training
Work	Employer	Business	Occupation	Labor Market
Job	Wage	Goal	Skill	Employment
Tools	Salary	Uniform	Interests	Information

C H U S T S E R E T N I L O
A V C K T R A I N I N G C O
R D V I N D U S T R Y C P E
E M P L O Y M E N T U F W D
E C I L R G M K R P Q S A N
R W T A E P S E A G O M G N
J U L S L O O T J N X O E J
Q A X O F Z I D O C A I O L
S B Y A H O P I B L F W K M
Y E R E N B S Y S H G D W R
R M Q B S S E N I S U B K O
Z L I F E X P L O R E J J F
S G A F V N M N O C U X W I
R I O I N F O R M A T I O N
A R Z T M H T P K Y L B R U
P L A B O R M A R K E T K A

CAREER HEROES 27

Page 27:

"Word Search" introduces more career-related vocabulary words. For an extra challenge, ask students to define each term.



CAREER HERO SECRET IDENTITY SCRAMBLE

Can you reveal the secret identities of the career heroes by unscrambling the letters in the list of names below?

1)	Anna C. Coutt	Accountant
2)	Ray Creets	Secretary
3)	Tim Niser	Minister
4)	Roy Tenat	Attorney
5)	Art Rein	Trainer
6)	Chet Incani	Technician
7)	Leon Roucs	Counselor
8)	Nat Joir	Janitor
9)	Sami C. Thin	Machinist
10)	Regie Nen	Engineer
11)	Lela A. Prag	Paralegal
12)	Vic E. Teedt	Detective
13)	Bee W. Smart	Webmaster
14)	Chet Ear	Teacher

Words to choose from:

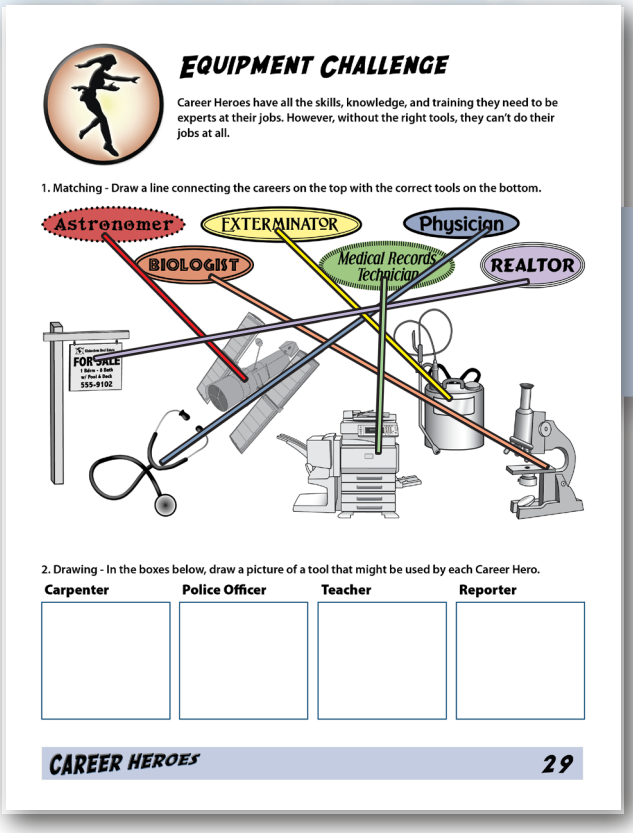
Minister	Engineer	Janitor	Trainer	Teacher
Detective	Accountant	Secretary	Webmaster	Machinist
Technician	Counselor	Paralegal	Attorney	

28 A Career Awareness Workbook for Elementary Students

Page 28:

"Career Hero Secret Identity Scramble" introduces additional job titles, as well as some familiar ones. For an extra challenge, ask students what tasks are involved in each occupation.

ADDITIONAL WORKBOOK ACTIVITIES



EQUIPMENT CHALLENGE

Career Heroes have all the skills, knowledge, and training they need to be experts at their jobs. However, without the right tools, they can't do their jobs at all.

1. Matching - Draw a line connecting the careers on the top with the correct tools on the bottom.

Astronomer
EXTERMINATOR
Physician
BIOLOGIST
Medical Records Technician
REALTOR

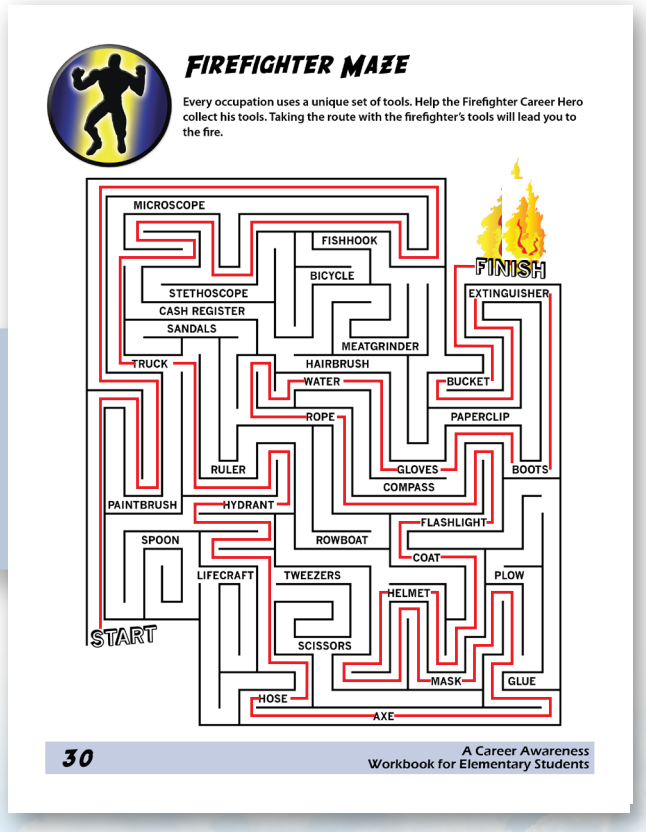
2. Drawing - In the boxes below, draw a picture of a tool that might be used by each Career Hero.

Carpenter	Police Officer	Teacher	Reporter

CAREER HEROES 29

Page 29:

"Equipment Challenge" gets students thinking about the types of tools used in different jobs.



FIREFIGHTER MAZE

Every occupation uses a unique set of tools. Help the Firefighter Career Hero collect his tools. Taking the route with the firefighter's tools will lead you to the fire.

MICROSCOPE
FISHHOOK
BICYCLE
FINISH
STETHOSCOPE
EXTINGUISHER
CASH REGISTER
SANDALS
MEATGRINDER
TRUCK
HAIRBRUSH
WATER
BUCKET
ROPE
PAPERCLIP
RULER
GLOVES
BOOTS
COMPASS
PAINTBRUSH
HYDRANT
FLASHLIGHT
SPOON
ROWBOAT
COAT
LIFECRAFT
TWEEZERS
PLOW
HELMET
START
SCISSORS
MASK
GLUE
HOSE
AXE

30 A Career Awareness Workbook for Elementary Students

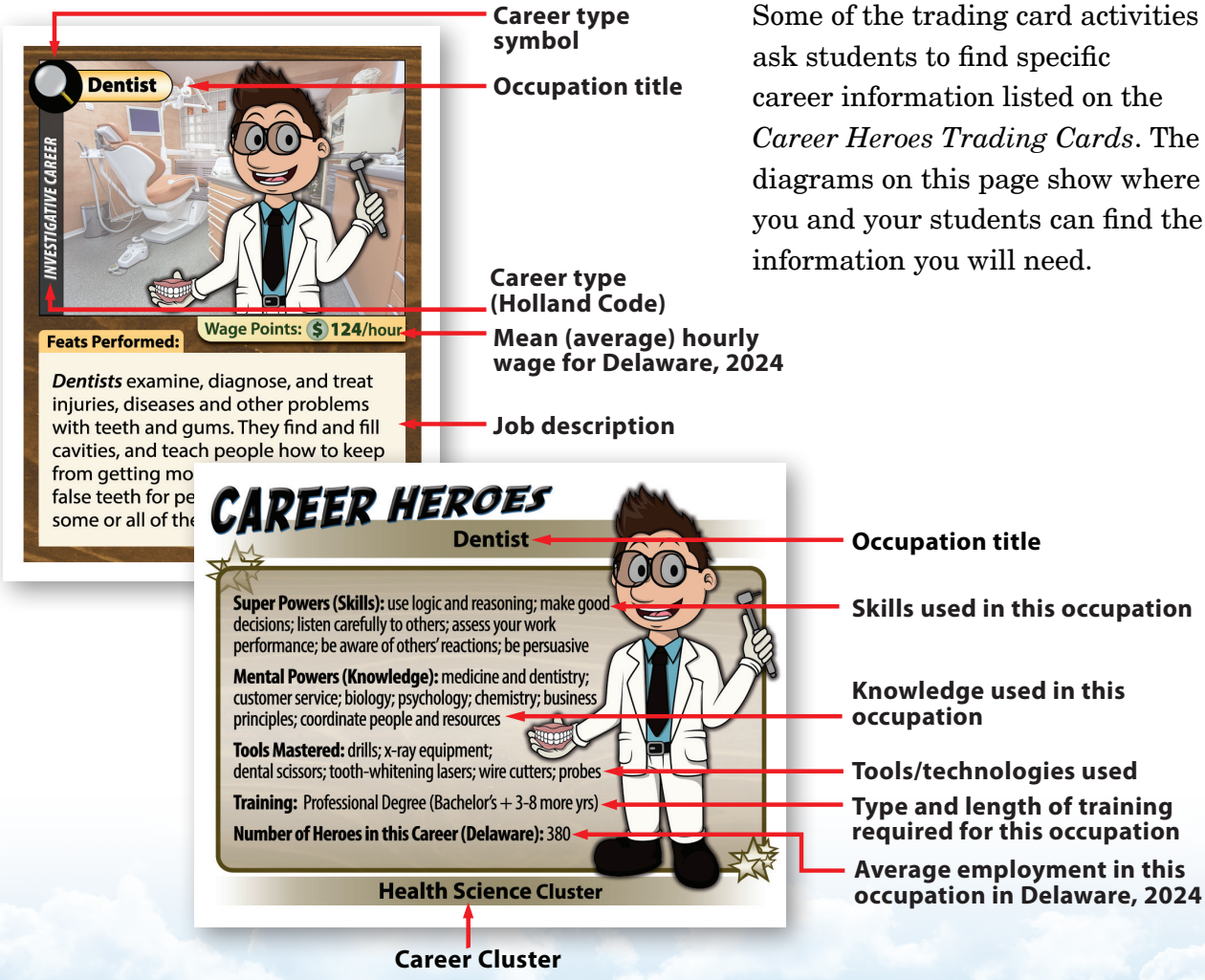
Page 30:

"Firefighter Maze" asks students to consider which tools are used in a specific occupation to get through the maze.

SECTION TWO: TRADING CARD ACTIVITIES

These activities were designed for a classroom size of 24 to 28 students, but can be adapted to fit the unique needs of your classroom. The activities are most engaging for the students when they are allowed to collect and keep a number of cards. Our recommendation is that each student be allowed to keep 5-6 cards. ***Each set contains 32 cards, so you'll want to obtain 1 set for every 5 students in your class.*** We are no longer able to provide the cards n print, but they are still available for download as a printable PDF from our website (see contact information on page 2).

ANATOMY OF A CAREER HEROES CARD



Some of the trading card activities ask students to find specific career information listed on the *Career Heroes Trading Cards*. The diagrams on this page show where you and your students can find the information you will need.

PREPARING FOR THE ACTIVITIES

Step 1: **Break the class into groups of 5 (number can be adjusted according to class size).**

Step 2: **For each group, choose one student to act as the Dealer. Give the Dealer in each group one complete set (32 cards) of *Career Heroes Cards*.**

Step 3: **Ask the Dealer to shuffle the cards, then deal out three cards to each student in his/her group, including him/herself.**

Step 4: **Instruct the Dealer to set the remaining cards aside.**

Step 5: **Give the students a few minutes to read each of their cards carefully.**

Step 6: **Play *Career Heroes Bingo* (instructions below).**

ACTIVITY 1: CAREER HEROES BINGO

This activity will acquaint your students with the *Career Heroes Trading Cards*, and with the occupations they represent, in a fun way that offers rewards for participation. The following pages contain 3 sets of clues. Each set includes 32 clues, each corresponding to one of the 32 *Career Heroes Cards*. These clues are presented in random order, so you can read straight down the list, or you can choose clues randomly. (**Tip:** *Photocopy the clues pages and check off each clue as you read it to prevent repetition.)*

Step 1: **Read the first clue aloud, and ask the students to look at their cards to see if the clue matches one of the cards in their hands.**

Step 2: **Students who find matching cards should lay them on the table in front of them.**

Step 3: **Continue reading clues, one by one, until one of the groups has five cards laid on the table. The first group to lay down five cards should yell BINGO.**

(Note: *It is okay if more than one group wins, since the reward will work for multiple groups*)

Step 4: **Ask the students to name the five *Career Heroes Cards* on the table, and check to make sure they match the clues you read. If they don't, keep playing; if they do, award the prize.**

Step 5: **The prize for winning is the chance for each student in that group to exchange his/her cards for different ones. They may keep their cards, or they may exchange for up to three randomly dealt cards from the remainder of the deck. The group's Dealer should conduct the exchange.**

Step 6: **When the exchange is over, have the Dealer shuffle the exchanged cards back into the deck. Each student should still have 3 cards.**

Step 7: **Play again, using the second set of clues. Then play again, using the third. Play as many times as desired before moving on to the next activity. The more times you play, the more familiar the students will become with the information on the cards, and the more chances they'll have to find and keep *Career Heroes* in the occupations that interest them.**

Career Heroes Bingo - Clues Set #1 - Job Description

☐	One of my jobs is to help my clients make good food choices so that they will stay healthy.	Nutritionist
☐	My clients come to me with projects for the computer. I organize their ideas and then I write a computer program to make the project work.	Computer Programmer
☐	I provide for public safety by maintaining order, responding to emergencies, protecting people and property, and enforcing the laws.	Police Officer
☐	My job is to contact businesses or individuals by telephone to solicit sales for goods or services, or to request donations for charitable causes.	Telemarketer
☐	I drive a truck in your neighborhood to collect your trash and recyclables. I take these materials to the proper disposal site.	Trash Collector
☐	I am responsible for accurately processing routine transactions at a bank, such as cashing checks, depositing money, and collecting loan payments.	Bank Teller
☐	I make things look good so that people will be interested in them. I like working on magazine covers and book jackets the most of all.	Graphic Designer
☐	I love to make people look their best! My favorite job activity is to style a bride's hair and do her makeup for her special day.	Hairdresser/ Cosmetologist
☐	My job is to perform administrative and certain clinical duties under the direction of a physician. Duties may include scheduling appointments, and taking and recording patients' vital signs and medical histories for their medical exam.	Medical Assistant
☐	You will very often find me under a car performing routine maintenance. Sometimes I test drive vehicles to find out what's wrong with them.	Automotive Mechanic
☐	I like to make everything run smoothly in the kitchen. I order food, I manage cooks, I estimate the cost of ingredients, and most fun of all, I decide how to present the food beautifully to our diners.	Chef
☐	My job is to dispense prescription medications to patients and offer expertise in the safe use of prescriptions. I sometimes provide immunizations, oversee the medications given to patients.	Pharmacist
☐	When I was young, I always had my nose in a book. Now, it is my job to teach students. I prepare course materials, give lectures, and evaluate students' work.	Elementary School Teacher
☐	I don't mind having my hands in people's mouths all day. I get satisfaction from helping my patients maintain healthy and beautiful teeth.	Dentist
☐	I always wear a mask to protect my eyes when I am joining metal pieces together. The flame-cutting equipment is very dangerous but I know how to use it safely.	Welder
☐	I love my job because I get to study the chemical and physical principles of living things and of biological processes. It's fun to work in a laboratory.	Biochemist

☐	I plan, design, and oversee the construction and maintenance of airports. It is an important job because many lives depend on the results of my work. Others in my occupation plan and construct buildings or bridges.	Civil Engineer
☐	When responding to an emergency, I am responsible for connecting hoses to hydrants, operating the pumps that power the hoses, climbing ladders, and using other tools to break through debris.	Firefighter
☐	I like to provide and coordinate patient care, and also educate patients about various health conditions. My job is very rewarding.	Registered Nurse
☐	Most times you will find me up in the sky, above the clouds. I navigate airplanes, helicopters, and other aircraft.	Pilot
☐	My job is to capture the moment and tell a story. In order to do that well, I must know how to measure light and determine shutter speeds. I am most satisfied when my clients are happy with the results of my work.	Photographer
☐	I will come to your house, measure the room, calculate the area, and plan the layout. It is important that I do the installation carefully because if I don't, your new flooring could be very unattractive or I could even create a tripping hazard!	Carpet Installer
☐	I love my job because I can help people look and feel their best. I work with both groups and individuals. I teach my students and clients how to exercise properly.	Fitness Trainer
☐	If you ever need to call 911, I could be the person who comes to help you. It is my job to decide what treatment is needed immediately and then provide it. It is important for me to be well-trained because people's lives depend on it.	Emergency Medical Technician
☐	I work in a quiet place. My job is to catalogue written and visual resources and circulate them to the public. I also maintain special collections and archives. My job is never boring because the information is constantly changing.	Librarian
☐	I took this oath before performing the duties of my office: "I do solemnly swear that I will administer justice without respect to persons, and do equal right to the poor and to the rich, and that I will faithfully and impartially discharge and perform all the duties incumbent upon me..."	Judge
☐	My job is to transport people between various places—including work, school, and shopping centers. I can transport a lot of people at the same time.	Bus Driver
☐	I study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth.	Soil and Plant Scientist
☐	I deliver mail to homes and businesses. Sometimes I do my route on foot and sometimes I drive a mail truck.	Mail Carrier
☐	I determine what my company's training needs are. I like to develop and conduct worthwhile programs for the employees because that makes our company stronger.	Training Specialist
☐	My job is fascinating. I get to design the places people need to live, work, play, learn, shop, and eat. I design both indoor and outdoor spaces.	Architect
☐	You can find me in a lot of different places. I greet customers when they come into my work. I scan customers' purchases and take payments from customers or the items they wish to purchase.	Cashier

Career Heroes Bingo - Clues Set #2 - Personality Type and Cluster

☐	My job is considered ***Enterprising*** because I am required to make a lot of difficult decisions. My job is in the Law, Public Safety, Corrections & Security cluster.	Judge
☐	I am ***Investigative***; I like to solve problems using science. My job is in the Health Science cluster.	Pharmacist
☐	I am a good fit for this job because I am ***Realistic***. I know policies and strategies to promote public safety. I am in the Law, Public Safety, Corrections & Security cluster and make $33/hr.	Police Officer
☐	This job requires me to have good knowledge of customer service, and understand business and management principles, so it's good that I am an ***Enterprising*** person! I work in the Marketing, Sales and Service cluster.	Telemarketer
☐	I have a ***Realistic*** career in the Architecture & Construction cluster and I make $43/hr. planning and designing projects.	Civil Engineer
☐	In this ***Investigative*** career in the Information Technology cluster, I write computer programs that meet my client's needs.	Computer Programmer
☐	Customer service is very important in my ***Conventional*** job because I talk to a lot of people. I like working in the Marketing, Sales & Service cluster.	Cashier
☐	I work in the Education & Training cluster. In this ***Social*** career, it's a good thing I love spending my days helping students or I would not be happy in my job.	Elementary School Teacher
☐	My job is ***Artistic.*** I'm a good match for this work because I love using mathematics to solve problems. I work in the Architecture & Construction cluster.	Architect
☐	I make $22/hour responding to emergencies when people, property or the environment are at risk. I have a ***Realistic*** career in the Law, Public Safety, Corrections & Security cluster.	Firefighter
☐	In my ***Social*** career, I conduct and supervise training programs. I love this work because I am providing a service to others. My job is in the Business Management & Administration cluster.	Training Specialist
☐	I'm a good match for this job because I enjoy developing methods of conserving or managing soil that can be applied by farmers or forestry companies. My ***Investigative*** career is in the Agriculture, Food & Natural Resources cluster.	Soil and Plant Scientist
☐	I have a ***Realistic*** career in the Manufacturing cluster. I love that I get to work with my hands. I make $23/hr.	Welder
☐	I have a lot of responsibility in my ***Conventional*** job! Mathematics and customer service are a big part of my job. I work in the Finance cluster.	Bank Teller
☐	I use my ***Artistic*** talents to make my client's products look good. Not surprisingly, my job is in the Arts, Audio/Visual Technology & Communications cluster. I make $22/hr.	Graphic Designer
☐	I like to use my hands in my work and be "on the road." This ***Realistic*** career is considered part of the Agriculture, Food & Natural Resources cluster.	Trash Collector

☐	My ***Conventional*** career requires that I master tools such as vision charts, blood pressure equipment, oxygen equipment, and x-ray machines. I work in the Health Science cluster.	Medical Assistant
☐	I usually travel an established route either by foot or vehicle. This is a ***Conventional*** career and I use logic and reasoning to get my job done. I work in the Government & Public Administration cluster.	Mail Carrier
☐	In this ***Conventional*** career, I catalogue books and teach people to use all of our resources. I work in the Education & Training cluster.	Librarian
☐	I never get tired of my Health Science cluster job because it is ***Investigative***. Every day is interesting as I try to find ways to help my clients' maintain oral health.	Dentist
☐	If you are ***Artistic***, you might like my job. I use my creativity every day in this Human Services cluster career.	Hairdresser/ Cosmetologist
☐	When you think of my ***Enterprising*** job, do you think all I do is cook? You probably don't know that I lead and manage people and make lots of decisions. My career is in the Hospitality and Tourism cluster.	Chef
☐	I am ***Artistic*** and work in the Arts, Audio/Visual Technology & Communications cluster. I express myself with every click of the shutter.	Photographer
☐	I like my ***Realistic*** job because I get to watch gauges and dials to make sure everything is working properly. In my Transportation, Distribution & Logistics cluster career, I get to control the operations of equipment and systems..	Pilot
☐	In my ***Social*** job, I work closely with groups and individuals. It is important for me to help people so this is a good career match. I work in the Human Services cluster.	Fitness Trainer
☐	I have a ***Realistic*** career in the Architecture & Construction cluster. It's a good fit for me because I like to work with my hands and make my customer's rooms look nice. I make $23/hr.	Carpet Installer
☐	In my ***Investigative*** job, I love to figure out solutions to problems so that my clients stay healthy. My Health Science cluster job is just the right work for me.	Nutritionist
☐	My career is ***Investigative***. I've always known that I love to search for clues and solve problems so this is a good job match. I work in the Science, Technology, Engineering & Mathematics cluster.	Biochemist
☐	My job is ***Realistic***. You know what that means; I love to work with my hands to solve practical problems. I work in the Transportation, Distribution & Logistics cluster and make $20/hr.	Automotive Mechanic
☐	I work in the Health Science cluster. In this ***Social*** job, I actively look for ways to help people. I have knowledge of human behavior, which is vital to my work.	Registered Nurse
☐	In this ***Realistic*** career, I help people get from one place to another. I work in the Transportation, Distribution & Logistics cluster.	Bus Driver
☐	I am a Career Hero who is ***Social***. If I couldn't help people in my work, I would not be happy. I work in the Law, Public Safety, Corrections & Security cluster.	Emergency Medical Technician

Career Heroes Bingo - Clues Set #3 - Training, Tools, Numbers, and Powers

☐	I have a **Bachelor's** Degree and know how to use a *glucose monitor* and a *calorimeter*. There are 180 people in Delaware who do this job.	Nutritionist
☐	I learned how to use *money counters, printers, and scanners* in **less than a month on-the-job**. There are 1,550 of us in the state of Delaware.	Bank Teller
☐	I am 1 of 380 in Delaware who has completed a **Master's** Degree + 2 more years of school to do this job. I have a strong knowledge of *English* and *computers*.	Librarian
☐	I am the Career Hero who has a **Bachelor's** + **related work experience**. There are 120 of us who have a thorough knowledge of *laws, legal codes*, and *court procedures*.	Judge
☐	There are 11,620 of us working in Delaware! I earned a **Bachelor's Degree** to do this job. I'm good at *customer service* and I can use a b*lood pressure monitor* properly.	Registered Nurse
☐	I learned how to use *glue guns*, *power saws,* and *utility knives* in **less than a year on-the-job**. There are 130 of us in the state of Delaware.	Carpet Installer
☐	I have the **experience** necessary for this job because I have worked at local restaurants since I was 18 years old. There are 520 of us who have the skills to *manage staff* and *assess their work performance* so that our standards remain high.	Chef
☐	It took me 8 years to get my **Professional Degree**. My job is done by 380 in Delaware. I use *drills* and am also skilled at using *logic and reasoning* to *make good decisions*.	Dentist
☐	I have knowledge of *customer service*, *education and training,* and *human behavior*. I went to **vocational** school and am joined by 1,040 others in this career.	Fitness Trainer
☐	There are 1,310 of us ready to help Delawareans. My **vocational** education taught me how to use a *stretcher*, a *syringe*, an *oxygen mask*, and many other medical tools.	Emergency Medical Technician
☐	It took me **more than a year on-the-job** to begin to master *digital cameras*, *scanners,* and *light meters*. You can choose from 110 of us to record your special event.	Photographer
☐	Along with *knowledge of plant and animal organisms*, *their interactions with each other and the environment* is a very important mental power in my career. There are 80 of us who completed the **Bachelor's Degree** necessary for our work.	Soil and Plant Scientist
☐	In my **vocational** education I learned to use *blow torches* and *arc welders* safely. Six-hundred and thirty of us do this job in Delaware.	Welder
☐	In **vocational** school, I learned *mechanics*, *engineering*, and *computers*. I also learned how to *provide good service* to my customers so they will want to return. There are a lot of us in Delaware! And remember, women can do this job, too!	Automotive Mechanic
☐	In Delaware, 470 creative people have their **Bachelor's** Degree so they can do this job. I am skilled with *computers* and *digital cameras*. I have also learned to *listen carefully to my clients* so I can be sure to meet their needs.	Graphic Designer
☐	There are nearly 440 of us in Delaware. It took me **more than a year training on-the-job** to learn the necessary skills. I ride in a large truck with a big ladder and a loud siren.	Firefighter

☐	My super powers include *giving full attention* to what other people are saying, and *asking questions* as appropriate. My career requires **1-3 years of vocational training.** There are 2,980 of us in Delaware.	Medical Assistant
☐	I have a **Bachelor's** Degree and I also completed an Internship. There are less than 150 of us in the state but you can be sure that we all love to use *drafting machines* to *create technical plans and models*.	Architect
☐	Nine-hundred and fifty of us do this job. We all have a **Bachelor's** Degree, and our super powers include *speaking effectively* and *teaching others*.	Training Specialist
☐	It took me only a **month of training** for my career, and now I'm one of 490 who keeps our state clean of trash. I like driving a *cargo truck* and providing *customer service* for my job. I am proud that I can contribute to keeping Delaware clean.	Trash Collector
☐	**Vocational** education prepared me for my job, which requires me to have basic principles of *chemistry* as well as good *customer service*. Lots of people must want to look good because there are 1,760 of us.	Hairdresser/ Cosmetologist
☐	My super powers are *speaking effectively, persuading people*, and *paying attention to what other people are saying*. I did **one month or less of on-the-job training.** There are 50 of us in Delaware.	Telemarketer
☐	In my profession, I need to know a lot about *chemistry* and *mathematics*. That's why I got a **Doctoral** Degree. There are only 150 in Delaware. I have mastered using a lot of different kinds of *lab equipment*.	Biochemist
☐	My mental powers include *laws and rules* and *personal service* which I learned while completing my **vocational education**. I now have the skills to *understand behavior*. There are 1,840 of us in Delaware.	Police Officer
☐	I *listen carefully to others* and u*se logic and reasoning* so that I can effectively get people where they need to go. I have a special **license** and did **one year of on-the-job training.** There are 390 people who do this job in Delaware.	Bus Driver
☐	I went to school for four years to complete my **Bachelor's** Degree so that I would be knowledgeable enough to teach my students. There are 4,060 of us in Delaware.	Elementary School Teacher
☐	I like to *use scientific methods* to do my job. I have mastered label-making machines since I use them every day. I got a **Doctoral** Degree and studied very hard to get excellent grades. There are 1,010 people in Delaware who do this job.	Pharmacist
☐	I went to **college for 4 years** (Bachelor's) and learned about *computers* and *servers*. My strongest super power is *writing computer programs*. There are 1,130 of us.	Computer Programmer
☐	**Short-term on-the-job training** gave me the *knowledge of policies and procedures to promote public safety and security*. I am very good at *talking to others to provide information* if I do say so myself. 1,120 of us provide this service.	Mail Carrier
☐	I have a **Bachelor's** Degree which provides me with a strong background in *engineering and technology*. I'm also well-versed in *design* and *building and construction*. There are 780 of us in Delaware.	Civil Engineer
☐	My job requires **short-term on-the-job training** and there are 12,560 of us in Delaware! I know a lot about *customer service* and *talking to others to provide information*.	Cashier
☐	My job requires **vocational education.** I have knowledge of *machines and tools* and *geography* and most often use *communications systems* in my work. There are 270 of us in the state.	Pilot

ACTIVITY 2: THE WAGE GAME

Step 1: Select one student in each group to be the **Recorder**.

Step 2: Ask each student to choose one of their 3 cards, and set the remaining two aside.

Step 3: Instruct the students to read aloud to their groups the *Occupation Title* and *Feats Performed* section from the front of the cards. Instruct them ***not to reveal the wage points***. When they are done reading each card, instruct them to place it ***face down*** on the table, so that the occupation details (such as *Super Powers*) are displayed.

Step 4: Ask each group to use the information on the backs of the cards to help them guess which of the selected Career Heroes earns the highest wages. Instruct the **Recorder** to write a list that orders them from highest to lowest wages.

Step 5: **Discussion:** Ask the class, as a whole, how they decided which jobs paid the most? On what factors did they base their decisions?

Step 6: After you have heard from each group, have all the students turn over their cards to reveal the *Wage Points*. Have the **Recorder** write a second list beside the first, ordering the Career Heroes by their actual *Wage Points* from highest to lowest. How did they compare?

Step 7: **Discussion:** "Why do some jobs pay more than others?" After hearing some ideas from students, instruct them to arrange the selected cards on the table in order of *Wage Points* from highest to lowest, then to flip the cards again so the back side is showing. Ask them if they notice any patterns that emerge in the information. There shouldn't be a correlation between wage and skills, knowledge, or tools mastered. Some groups might find a correlation between wage and Number of Heroes in this Career, but generally they won't. However, there should be a noticeable correlation between wage points and length of training. If none of the students picks up on this, you may have to point it out.

Note: *Depending on the cards chosen by the group, this correlation might be weak or not show up at all, but taking into account wage data from all occupations, there is a definite correlation.*

Step 8: **Discussion:** Explain to the students that some occupations (like *Dentists* or *Veterinarians*) require very specialized training that takes a long time to complete, while other jobs (like *Trash Collectors*) use more general skills and knowledge that take only a short time to acquire. If jobs that took only a month to learn paid as much as jobs that require 8 years of college, how many people would want to spend all that time and money training? Introduce the concept of training as an investment that usually pays off in the form of higher wages. Also, introduce the concept of supply and demand. Most people have general skills and knowledge. Because a lot more people are qualified for those kinds of jobs, workers are easily replaced and can't demand to be paid as much. Far fewer people are willing to spend years and years training for an occupation, so they can ask for higher wages simply because there aren't as many people qualified to replace them.

ACTIVITY 3: NAME THAT SKILL

At this point, your students will have been exposed to the idea of skills as a Career Hero's *Super Powers*. They have had the chance to see that different skills are needed for different occupations, but they may not yet understand what all the terms mean. The *Name That Skill* game will help them learn the definition of each of the skills listed on the *Career Heroes Trading Cards*.

Step 1: **Ask the students to return all 3 cards to their hands.**

Step 2: **Read aloud one of the skills definitions in the right-hand column of the Skills Table on the following page. Tip:** ***The skills in the Skills Table have been presented in alphabetical order to make it useful as a reference sheet. However, for the game, you may want to read the definitions in a random order.***

Step 3: **Ask the students to review the *Super Powers* sections on the backs of their cards. Do any of these skills match the definition? If so, ask the students to guess which skill matches the definition, and to lay all Career Hero cards that list that skill on the table.**

NOTE: Column 1 provides the exact wording of the skills found in O*NET OnLine. Column 2 provides the same skills, but they are more descriptive to facilitate comprehension. The students will match the skills on their cards to Column 2.

Step 4: **Reveal the skill that matches the definition. Ask the students to count the number of cards on the table that list the correct skill, and have the recorder write down the total score for their group.**

Step 5: **Repeat this process until 10 definitions have been read. Have the groups add their 10 scores together to come up with a total. The group with the highest total score wins. (In case of a tie, two winning groups is acceptable.)**

Step 6: **Instruct the winning team(s) to have their dealer deal out 1 additional card to each team member.**

Step 7: **Repeat steps 2-6. It is up to you whether to repeat the process until all the definitions have been read, or to set a limit on the number of rounds.**

SKILLS TABLE

	Column 1	Column 2	
	Skills from O*NET (www.onetonline.org)	Skills from Career Hero Cards (more descriptive)	Skill Definitions from O*NET
1.	Active Learning	Learn new information and apply it	Understanding new information and using it to help make decisions.
2.	Active Listening	Listen carefully to others	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
3.	Complex Problem Solving	Solve difficult problems	Identifying problems and using the available information to come up with solutions.
4.	Coordinating	Coordinate your actions with others	Adjusting your actions in relation to the actions of others.
5.	Critical Thinking	Use logic and reasoning	Using logic and reasoning to identify the strengths and weaknesses of ideas.
6.	Equipment Selection	Select the best tools for the job	Picking the best tools to do the job.
7.	Instructing	Teach others	Teaching others how to do something.
8.	Judgment and Decision Making	Make good decisions	Weighing all the advantages and drawbacks in a given situation, and choosing the best option.
9.	Learning Strategies	Know how to learn	Picking the best ways to teach or learn a new subject.
10.	Management of Personnel Resources	Manage people	Deciding how best to assign work to employees, identifying the best people for the job, and keeping workers motivated.
11.	Mathematics	Solve problems using Math	Using numbers and calculations to solve problems.
12.	Monitoring	Assess your work performance	Keeping track of your work performance, and the performances of other people and organizations, to make improvements or correct mistakes.

(continued on page 16)

SKILLS TABLE *(continued)*

13.	Operation and Control	Control operations	Controlling operations of equipment or systems.
14.	Operation Monitoring	Monitor operations	Watching gauges, dials, or other indicators to make sure a machine is working properly.
15.	Operations Analysis	Analyze needs and product requirements	Analyzing needs and product requirements to create a design.
16.	Persuasion	Convince people	Convincing others to change their minds or behavior.
17.	Programming	Write computer programs	Writing computer programs for various purposes.
18.	Reading Comprehension	Understand what you read	Understanding written sentences and paragraphs in work related documents.
19.	Science	Solve problems using science	Using scientific rules and methods to solve problems.
20.	Service Orientation	Help people	Actively looking for ways to help people.
21.	Social Perceptiveness	Be aware of others' reactions	Being aware of others' reactions and understanding why they react as they do.
22.	Speaking	Speak effectively	Talking to others to convey information effectively.
23.	Time Management	Manage your time	Managing one's own time and the time of others.
24.	Writing	Write well	Selecting the best words to clearly communicate with your audience using text.

ACTIVITY 4: CAREER CLUSTERS MATCH

Step 1: Make enough copies of the *Career Clusters Match Worksheet* for each student, or for each group.

Step 2: Explain the concept of Career Clusters to the class. (See below)

> ***What are Career Clusters?***
>
> Career Clusters are groups of occupations that go together because they share a common set of skills and knowledge. For instance, architects, carpenters, electricians, plumbers, and roofers all need to know how buildings are put together, so they have all been grouped in the Architecture & Construction Cluster. Organizing careers into clusters helps educators design programs of study for a whole group of related occupations and career specialties. Career Clusters also make it easier for students to learn which kinds of jobs match their skills and interests.

Step 3: Hand out the *Career Clusters Match Worksheets*. Students can complete the worksheets individually, or as a group. Instruct the students to write the number of the correct Career Cluster in the blank next to each clue.

Step 4: When the worksheets have been completed, read the first definition aloud to the students. Either reveal the correct cluster to your students or ask the students to give their answers. Now ask which students have Career Heroes that belong in that cluster. Have each person who has a Hero in that cluster say the name of the occupation aloud to the class. Discuss if questions arise.

CAREER CLUSTERS MATCH

1. Agriculture, Food & Natural Resources
2. Architecture & Construction
3. Arts, Audio/Visual Technology & Communications
4. Business Management & Administration
5. Education & Training
6. Finance
7. Government & Public Administration
8. Health Science
9. Hospitality & Tourism
10. Human Services
11. Information Technology
12. Law, Public Safety, Corrections & Security
13. Manufacturing
14. Marketing, Sales & Service
15. Science,Technology, Engineering & Math
16. Transportation, Distribution & Logistics

Careers related to helping individuals and families, and providing for human needs. _____

Careers in producing, processing, marketing, and distributing agricultural products, including food, wood products, mineral resources, and other plant and animal products. _____

Careers related to scientific research and related services, such as laboratory and testing services, and research and development services. _____

Careers in the legal system, public safety, protective services, and homeland security. _____

Careers in designing, planning, managing, building, and maintaining the built environment. _____

Careers related to teaching, schools, and training programs. _____

Careers related to restaurants and other food services, hotels and lodging, attractions, recreation events, and travel-related services. _____

Careers related to governmental functions, including national security, tax collection, regulation, and management at the local, state, and federal levels. _____

Careers in designing, developing, providing support, and managing computers, software, networks, and multimedia. _____

Careers involved in the movement of people, materials, and goods by road, pipeline, air, rail and water, and related services. _____

Careers involved in processing materials into products. _____

Careers in planning, organizing, directing, and evaluating business operations. _____

Careers related to medicine, such as health care, public health information, and biotechnology research and development. _____

Careers involved in targeting and informing potential customers of products and services they would find useful, increasing sales, and building brands. _____

Careers in performing, producing, exhibiting, writing, and publishing multimedia content, including visual and performing arts, design, journalism, and entertainment. _____

Careers related to money management, investment planning, banking, insurance, and business financial management. _____

CAREER CLUSTERS MATCH
ANSWER KEY

Careers related to helping individuals and families, and providing for human needs.	10
Careers in producing, processing, marketing, and distributing agricultural products, including food, wood products, mineral resources, and other plant and animal products.	1
Careers related to scientific research and related services, such as laboratory and testing services, and research and development services.	15
Careers in the legal system, public safety, protective services, and homeland security.	12
Careers in designing, planning, managing, building, and maintaining the built environment.	2
Careers related to teaching, schools, and training programs.	5
Careers related to restaurants and other food services, hotels and lodging, attractions, recreation events, and travel-related services.	9
Careers related to governmental functions, including national security, tax collection, regulation, and management at the local, state, and federal levels.	7
Careers in designing, developing, providing support, and managing computers, software, networks, and multimedia.	11
Careers involved in the movement of people, materials, and goods by road, pipeline, air, rail and water, and related services.	16
Careers involved in processing materials into products.	13
Careers in planning, organizing, directing, and evaluating business operations.	4
Careers related to medicine, such as health care, public health information, and biotechnology research and development.	8
Careers involved in targeting and informing potential customers of products and services they would find useful, increasing sales, and building brands.	14
Careers in performing, producing, exhibiting, writing, and publishing multimedia content, including visual and performing arts, design, journalism, and entertainment.	3
Careers related to money management, investment planning, banking, insurance, and business financial management.	6

ACTIVITY 5: OCCUPATION OF CHOICE

By now, the students should begin to develop a sense of which careers are most interesting to them. This activity exposes them to additional occupations, and allows them to choose their favorites.

Step 1: **Instruct the Dealer to deal out the remaining cards until everyone in the group has an equal number of cards (for groups of 5, this will be 6 cards per student, with 2 left over).**

Step 2: **Give the students a few moments to look over their new cards. Instruct them to read the *Feats Performed* summary on the front of each card to get a sense of what the job is all about.**

Step 3: **Ask students to choose one card that depicts the job they would most like to have when they grow up.**

Optional: **Allow students to trade cards in order to get the occupation that best suits their interests. (Skip this option if you feel it would create too much disorder in your classroom)**

Step 4: **After each student has chosen a favorite card, have them fill out the *Occupation of Choice Worksheet*.**

Step 5: **Ask the students to read their answers aloud to their groups.**

OCCUPATION OF CHOICE

1) Occupation: _____

2) What do you like about this occupation? _____

_____

_____

_____

3) Where would you work? (office, shop, home, outdoors, etc.) _____

_____

4) How much would you get paid? Hourly _____ Monthly _____ Annually _____

(Note: Monthly = Hourly x 160, Annually = Monthly x 12)

5) Read the ***Mental Powers*** section on the back of your selected *Career Heroes* card. Which school subjects are helping you gain the knowledge you'll need? In the blanks below, list the knowledge from the card beside the school subject that will help you master it.

Math: _____

Science: _____

English: _____

Social Studies: _____

Physical Education: _____

Art: _____

Other: _____

6) How would you prepare to get a job in this occupation? (school, practice, volunteer work, etc.) **Hint:** Check the ***Training*** Section on the back of the card.

_____

_____

_____

ACTIVITY 6: CAREER HEROES COMMUNITY

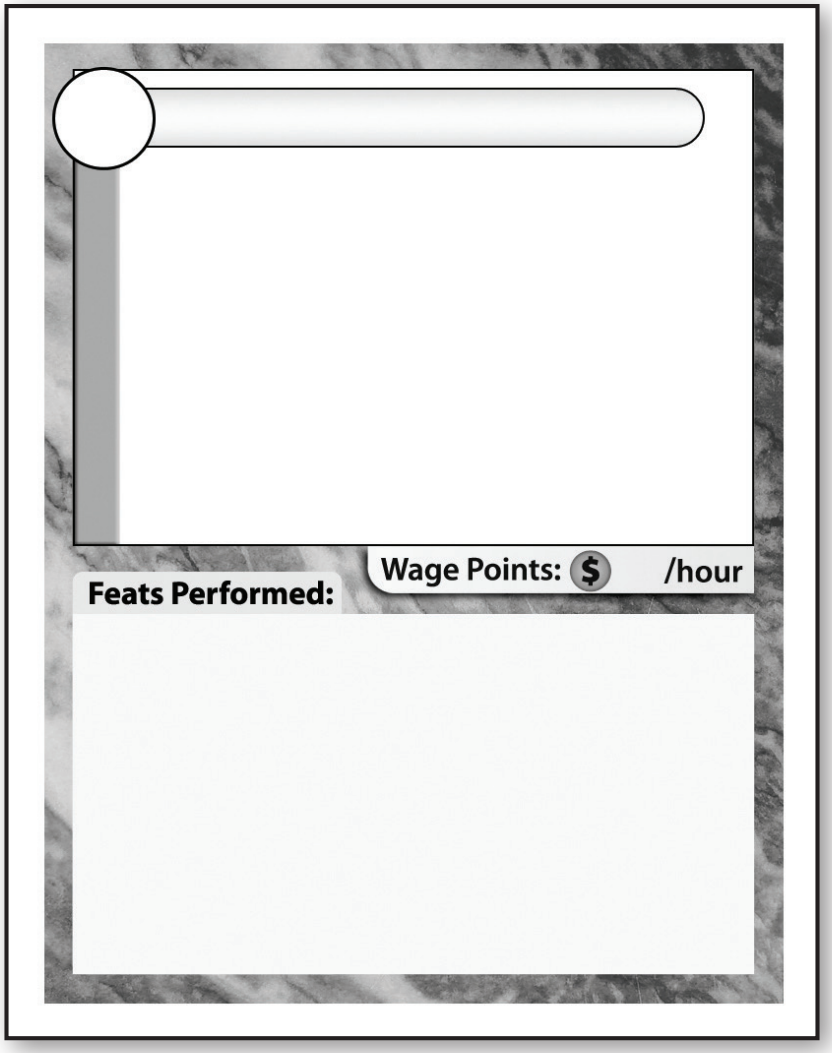
This activity may require some inventiveness on the part of the teacher, since each school will have access to different resources. The activity involves making a large format map and having students populate it with *Career Heroes*.

Step 1: **Decide what materials you will use in this activity. A large piece of poster-board, a section of large-format roll paper, or even several sheets of notebook paper taped together will be needed for each group. Additional art supplies, such as construction paper, paint, or markers may be used.**

Step 2: **Ask the students to think about all of the *Career Heroes* they have learned about. Have them make a list of some of the places these *Heroes* would work (examples would be grocery store, shopping mall, bank, hospital, etc.). Instruct each group to create a map of a small town (and possible surroundings) where their *Career Heroes* will work. Students should draw and label the buildings and/or outdoor areas on their map.**

Step 3: **Pose these questions: Who's missing from the city? What other occupations are needed to keep a community working properly? Allow students to brainstorm and call out answers as they think of them. Tell them to also think about occupations that were not displayed on the trading cards.**

Step 4: **Have each student create a new *Career Hero Trading Card* for one of the new occupations they named. Photocopy the blank card template on the next page for students to use. For an extra challenge, students can research their occupations and fill in the missing information. Ask students to cut their cards out, and place them on the map where their new *Career Hero* will work.**



CAREER HEROES

Super Powers (Skills):

Mental Powers (Knowledge):

Tools Mastered:

Training:

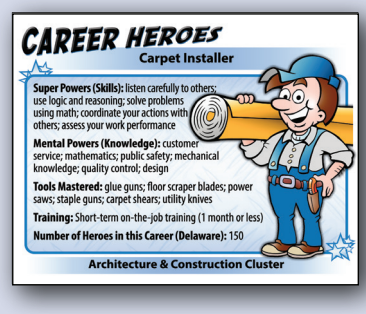
Number of Heroes in this Career (Montana):

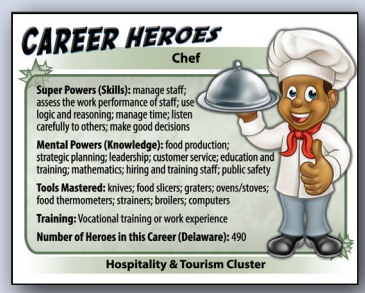
Cluster


Automotive Mechanic
REALISTIC CAREER
Feats Performed:
Wage Points: $ 26/hour
Automotive Service Technicians & Mechanics repair cars, trucks, buses, and other vehicles. They talk to customers, test drive vehicles, and use machines to figure out problems and fix them. They also do regular maintenance on vehicles, like oil changes.
49-3023

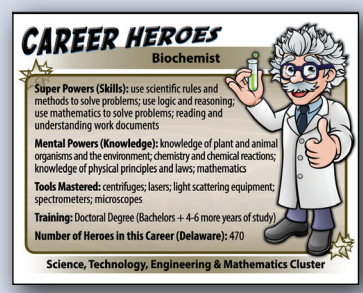

CAREER HEROES
Automotive Mechanic
Super Powers (Skills): repair or replace broken parts; figure out problems and fix them; select the best tools for the job; conduct inspections
Mental Powers (Knowledge): understanding how things fit together and work together; computers and electronics; customer service; math and technology
Tools Mastered: wrenches; hammers; scanners; voltage meters; jacks and lifts; grinders and buffers
Training: Vocational Education (1 to 2 years)
Number of Heroes in this Career (Delaware): 1,840
Transportation, Distribution & Logistics Cluster

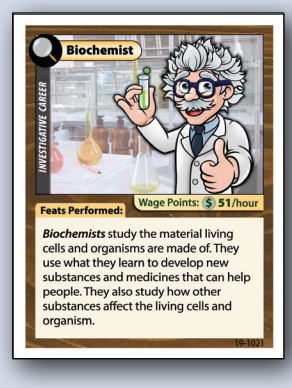

Carpet Installer
REALISTIC CAREER
Feats Performed:
Wage Points: $ 22/hour
Carpet Installers cut and lay carpet on floors. They measure the room, and figure out the size and shape they need for the pad and the carpet. They clean and fix the floor if needed, then cut the pad and carpet, lay them down and stretch the carpet to remove any bumps in it.
47-2041


CAREER HEROES
Carpet Installer
Super Powers (Skills): listen carefully to others; use logic and reasoning; solve problems using math; coordinate your actions with others; assess your work performance
Mental Powers (Knowledge): customer service; mathematics; public safety; mechanical knowledge; quality control; design
Tools Mastered: glue guns; floor scraper blades; power saws; staple guns; carpet shears; utility knives
Training: Short-term on-the-job training (1 month or less)
Number of Heroes in this Career (Delaware): 150
Architecture & Construction Cluster

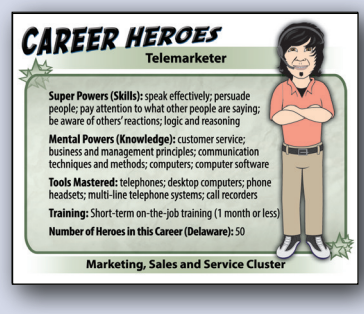

CAREER HEROES
Chef
Super Powers (Skills): manage staff; assess the work performance of staff; use logic and reasoning; manage time; listen carefully to others; make good decisions
Mental Powers (Knowledge): food production; strategic planning; leadership; customer service; education and training; mathematics; hiring and training staff; public safety
Tools Mastered: knives; food slicers; graters; ovens/stoves; food thermometers; strainers; broilers; computers
Training: Vocational training or work experience
Number of Heroes in this Career (Delaware): 490
Hospitality & Tourism Cluster


Chef
ENTERPRISING CAREER
Feats Performed:
Wage Points: $ 32/hour
Chefs plan menus and create new dishes and food combinations. They supervise other chefs and kitchen workers. They figure out the costs of food, and place orders for food and other supplies. They also make sure the food is cooked properly and looks nice.
35-1011


CAREER HEROES
Biochemist
Super Powers (Skills): use scientific rules and methods to solve problems; use logic and reasoning; use mathematics to solve problems; reading and understanding work documents
Mental Powers (Knowledge): knowledge of plant and animal organisms and the environment; chemistry and chemical reactions; knowledge of physical principles and laws; mathematics
Tools Mastered: centrifuges; lasers; light scattering equipment; spectrometers; microscopes
Training: Doctoral Degree (Bachelors + 4-6 more years of study)
Number of Heroes in this Career (Delaware): 470
Science, Technology, Engineering & Mathematics Cluster

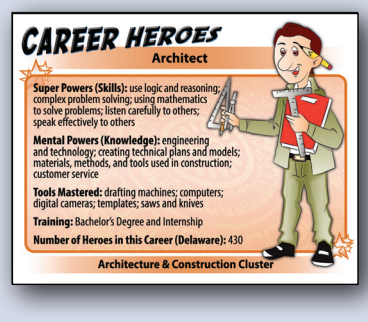

Biochemist
INVESTIGATIVE CAREER
Feats Performed:
Wage Points: $ 51/hour
Biochemists study the material living cells and organisms are made of. They use what they learn to develop new substances and medicines that can help people. They also study how other substances affect the living cells and organism.
19-1021


Telemarketer
ENTERPRISING CAREER
Feats Performed:
Wage Points: $ 20/hour
Telemarketers contact businesses or individuals by telephone to solicit sales for goods or services, or to request donations for charitable causes. They explain products or services and prices, answer questions from customers, and maintain records of orders.
41-9041

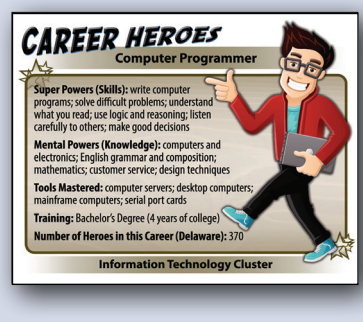

CAREER HEROES
Telemarketer
Super Powers (Skills): speak effectively; persuade people; pay attention to what other people are saying; be aware of others' reactions; logic and reasoning
Mental Powers (Knowledge): customer service; business and management principles; communication techniques and methods; computers; computer software
Tools Mastered: telephones; desktop computers; phone headsets; multi-line telephone systems; call recorders
Training: Short-term on-the-job training (1 month or less)
Number of Heroes in this Career (Delaware): 50
Marketing, Sales and Service Cluster

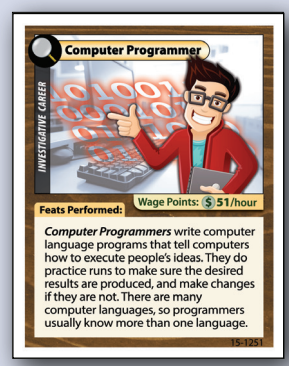

Civil Engineer
REALISTIC CAREER
Feats Performed:
Wage Points: $ 51/hour
Civil Engineers plan, design, and oversee the construction of roads, bridges, dams, pipelines, airports, and other large structures. They give advice to workers on the best way to do things and manage the building or maintenance activities at the project site.
17-2051


CAREER HEROES
Civil Engineer
Super Powers (Skills): solve difficult problems; use logic and reasoning; make good decisions; solve problems using math; analyze needs and product requirements
Mental Powers (Knowledge): engineering and technology; design; building and construction; mathematics; public safety and security; physics
Tools Mastered: compasses; distance meters; levels; scales; Computer Aided Design (CAD) software
Training: Bachelor's Degree (4 years of college)
Number of Heroes in this Career (Delaware): 1,000
Architecture & Construction Cluster

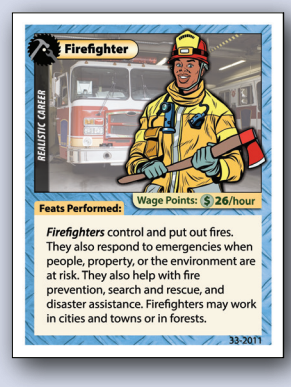

CAREER HEROES
Architect
Super Powers (Skills): use logic and reasoning; complex problem solving; using mathematics to solve problems; listen carefully to others; speak effectively to others
Mental Powers (Knowledge): engineering and technology; creating technical plans and models; materials, methods, and tools used in construction; customer service
Tools Mastered: drafting machines; computers; digital cameras; templates; saws and knives
Training: Bachelor's Degree and Internship
Number of Heroes in this Career (Delaware): 430
Architecture & Construction Cluster

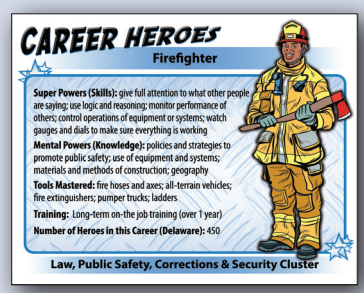

Architect
ARTISTIC CAREER
Feats Performed:
Wage Points: $ 84/hour
Architects plan and design buildings. They work with people who have an idea of what kind of building they want and turn their idea into a practical plan. Then they create drawings that tell builders what materials to use and how to construct the building.
17-1011


CAREER HEROES
Computer Programmer
Super Powers (Skills): write computer programs; solve difficult problems; understand what you read; use logic and reasoning; listen carefully to others; make good decisions
Mental Powers (Knowledge): computers and electronics; English grammar and composition; mathematics; customer service; design techniques
Tools Mastered: computer servers; desktop computers; mainframe computers; serial port cards
Training: Bachelor's Degree (4 years of college)
Number of Heroes in this Career (Delaware): 370
Information Technology Cluster

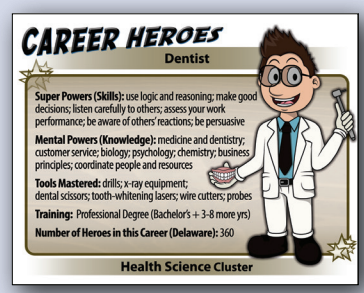

Computer Programmer
INVESTIGATIVE CAREER
Feats Performed:
Wage Points: $ 51/hour
Computer Programmers write computer language programs that tell computers how to execute people's ideas. They do practice runs to make sure the desired results are produced, and make changes if they are not. There are many computer languages, so programmers usually know more than one language.
15-1251

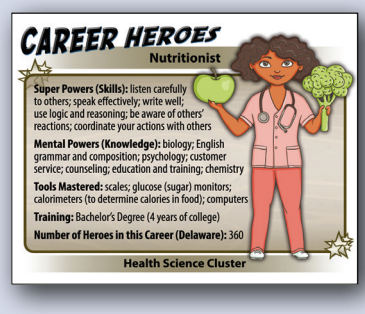
Career Heroes Trading Cards

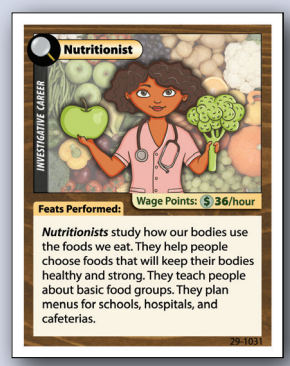


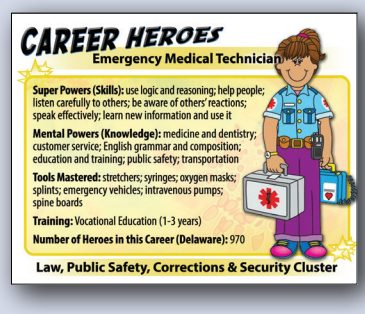




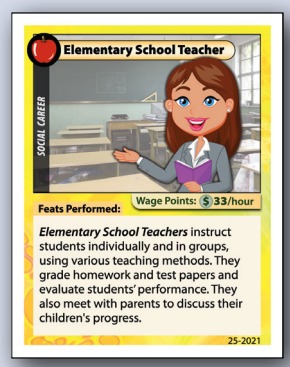


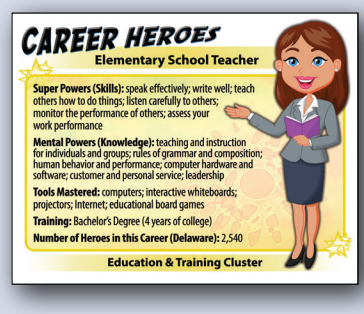




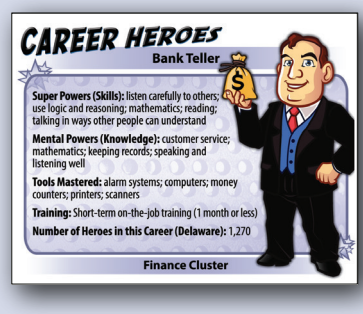




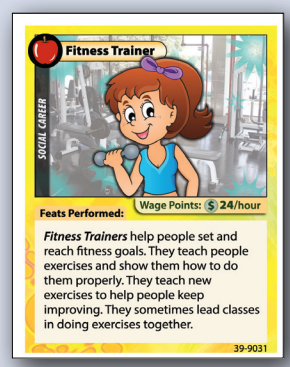












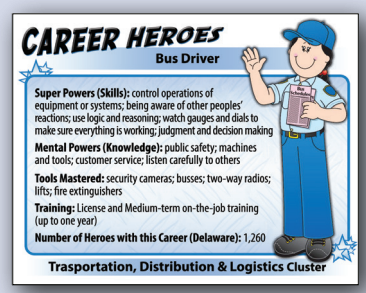


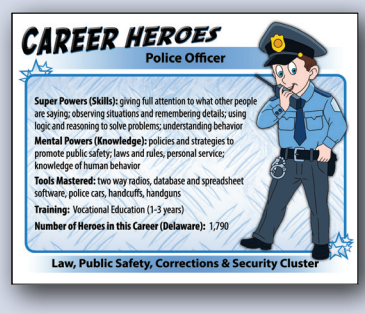



Hairdresser/Cosmetologist
ARTISTIC CAREER
Feats Performed:
Wage Points: $ 21/hour
Hairdressers and Cosmetologists help people look good by cutting, styling, coloring, and shampooing their hair. They may also apply makeup and provide skin and nail care. They schedule appointments and try to help each person look their best.
39-5012

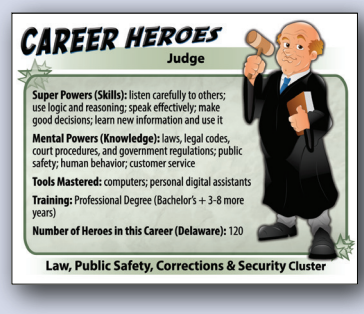

CAREER HEROES
Hairdresser/Cosmetologist
Super Powers (Skills): listen carefully to others; help people; use logic and reasoning; speak effectively; manage your time; learn new information and use it; be aware of others' reactions
Mental Powers (Knowledge): chemistry; customer service; business and management; sales and marketing; education and training; mathematics; human behavior
Tools Mastered: scissors; clippers; curlers; makeup applicators; hair dryers; hair dyes; tweezers; cash register
Training: Vocational Education (1-3 years)
Number of Heroes in this Career (Delaware): 1,340
Human Services Cluster

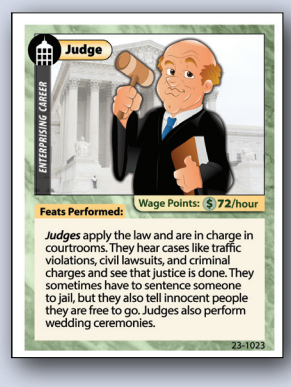

Bus Driver
REALISTIC CAREERS
Feats Performed:
Wage Points: $ 21/hour
Bus Drivers drive busses. Some drive regular city routes, some drive on highways between cities, some drive children to and from school, and some drive people with special needs. They sometimes collect fares, and some help passengers get on or off the bus.
53-3052


CAREER HEROES
Bus Driver
Super Powers (Skills): control operations of equipment or systems; being aware of other peoples' reactions; use logic and reasoning; watch gauges and dials to make sure everything is working; judgment and decision making
Mental Powers (Knowledge): public safety; machines and tools; customer service; listen carefully to others
Tools Mastered: security cameras; busses; two-way radios; lifts; fire extinguishers
Training: License and Medium-term on-the-job training (up to one year)
Number of Heroes with this Career (Delaware): 1,260
Trasportation, Distribution & Logistics Cluster


CAREER HEROES
Police Officer
Super Powers (Skills): giving full attention to what other people are saying; observing situations and remembering details; using logic and reasoning to solve problems; understanding behavior
Mental Powers (Knowledge): policies and strategies to promote public safety; laws and rules, personal service; knowledge of human behavior
Tools Mastered: two way radios, database and spreadsheet software, police cars, handcuffs, handguns
Training: Vocational Education (1-3 years)
Number of Heroes in this Career (Delaware): 1,790
Law, Public Safety, Corrections & Security Cluster


Police Officer
REALISTIC CAREER
POLICE
Feats Performed:
Wage Points: $ 41/hour
Police Officers provide for public safety by maintaining order, responding to emergencies, protecting people and property, enforcing the laws, and promoting good community relations. They identify and arrest people suspected of breaking the law.
33-3051

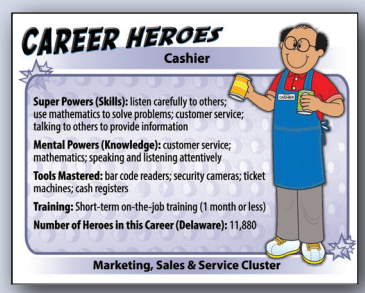

CAREER HEROES
Judge
Super Powers (Skills): listen carefully to others; use logic and reasoning; speak effectively; make good decisions; learn new information and use it
Mental Powers (Knowledge): laws, legal codes, court procedures, and government regulations; public safety; human behavior; customer service
Tools Mastered: computers; personal digital assistants
Training: Professional Degree (Bachelor's + 3-8 more years)
Number of Heroes in this Career (Delaware): 120
Law, Public Safety, Corrections & Security Cluster

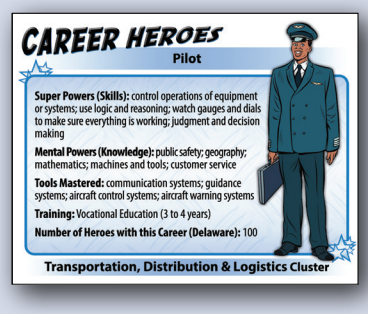

Judge
ENTERPRISING CAREER
Feats Performed:
Wage Points: $ 72/hour
Judges apply the law and are in charge in courtrooms. They hear cases like traffic violations, civil lawsuits, and criminal charges and see that justice is done. They sometimes have to sentence someone to jail, but they also tell innocent people they are free to go. Judges also perform wedding ceremonies.
23-1023


Librarian
CONVENTIONAL CAREER
Feats Performed:
Wage Points: $ 37/hour
Librarians help people find what they are looking for in public or school libraries. They can also work in museums, law firms, corporations, and government offices. They choose books and other materials to put in the library, then organize them and teach people how to use them.
25-4022

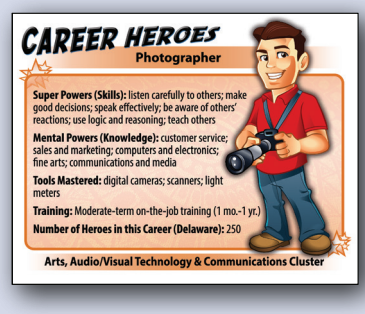

CAREER HEROES
Librarian
Super Powers (Skills): understand what you read; listen carefully to others; speak and write effectively; use logic and reasoning; coordinate your actions with others
Mental Powers (Knowledge): English vocabulary, spelling, composition, and grammar; customer service; computers and electronics; education and training; clerical
Tools Mastered: image scanners; computers; microfiche and microfilm readers; barcode readers; photocopiers
Training: Master's Degree (Bachelor's degree + 2 more yrs)
Number of Heroes in this Career (Delaware): 330
Education & Training Cluster


Cashier
CONVENTIONAL CAREER
Feats Performed:
Wage Points: $ 15/hour
Cashiers receive money as payment for goods or services. They give back change when it is due. They may also take credit cards as a form of payment. They can use scanners, cash registers or other equipment.
41-2011


CAREER HEROES
Cashier
Super Powers (Skills): listen carefully to others; use mathematics to solve problems; customer service; talking to others to provide information
Mental Powers (Knowledge): customer service; mathematics; speaking and listening attentively
Tools Mastered: bar code readers; security cameras; ticket machines; cash registers
Training: Short-term on-the-job training (1 month or less)
Number of Heroes in this Career (Delaware): 11,880
Marketing, Sales & Service Cluster


CAREER HEROES
Pilot
Super Powers (Skills): control operations of equipment or systems; use logic and reasoning; watch gauges and dials to make sure everything is working; judgment and decision making
Mental Powers (Knowledge): public safety; geography; mathematics; machines and tools; customer service
Tools Mastered: communication systems; guidance systems; aircraft control systems; aircraft warning systems
Training: Vocational Education (3 to 4 years)
Number of Heroes with this Career (Delaware): 100
Transportation, Distribution & Logistics Cluster


Pilot
REALISTIC CAREERS
Feats Performed:
Wage Points: $ 79/hour
Pilots fly and navigate airplanes, jets, or helicopters. Some carry passengers for airlines, charter flights, sightseeing, or air ambulances. Some fly packages and other cargo. All pilots must have a special license to fly.
53-2012


CAREER HEROES
Photographer
Super Powers (Skills): listen carefully to others; make good decisions; speak effectively; be aware of others' reactions; use logic and reasoning; teach others
Mental Powers (Knowledge): customer service; sales and marketing; computers and electronics; fine arts; communications and media
Tools Mastered: digital cameras; scanners; light meters
Training: Moderate-term on-the-job training (1 mo.-1 yr.)
Number of Heroes in this Career (Delaware): 250
Arts, Audio/Visual Technology & Communications Cluster

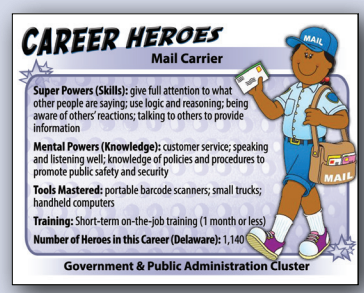

Photographer
ARTISTIC CAREER
Feats Performed:
Wage Points: $ 24/hour
Photographers take pictures of people, places, and things. They might work in a studio and have people come to them, or they might go out and take pictures of people and places where they are. Some photographers take action pictures for the news, and others compose a picture like art.
27-4021

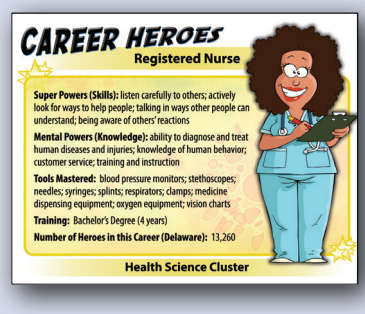
Career Heroes Trading Cards

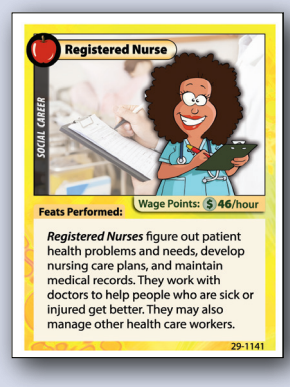








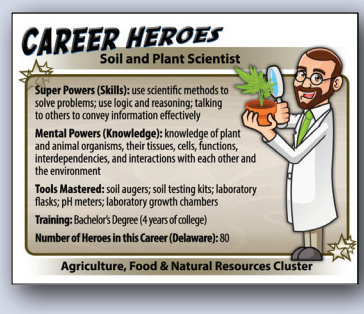




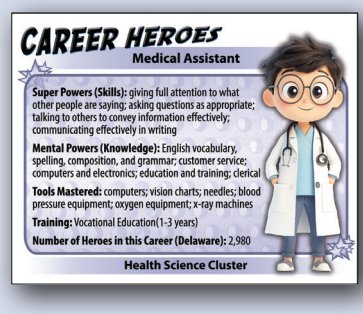


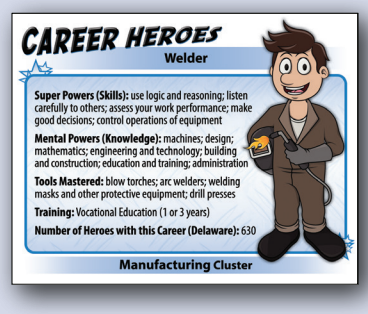




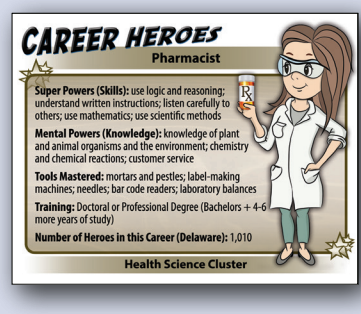














CAREER HEROES

TEACHER'S GUIDE

DELAWARE DEPARTMENT OF LABOR

Delaware Department of Labor



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Delaware Career Resource Network
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