

Name _____

1. On planet A we are looking at an associate degree. Using the Galaxy Guide to Training and Education, describe an associate degree.

Video

Looking at the Occupation Card for each of the jobs below, fill in the entry-level education and the expected job openings.

Job	Expected Job Openings	Entry-Level Education
Dental Hygienists		
Preschool Teachers		
Auto Body Repair		
Photographer		
Graphic Designer		

Game

1. Capella and Sirius are the names for what in the night sky? _____
2. Describe the picture that you just drew of the stage. _____

Questions

1. People can prepare for future jobs in many ways.
Publish or Revise [Circle one]
2. An apprenticeship is a program that trains a worker to become skilled in a job by learning from an expert.
Publish or Revise [Circle one]
3. A high school diploma or secondary school certificate may be enough education for students who want to go right to work and find a job. **Publish or Revise** [Circle one]
4. A hairdresser might study at a technical school.
Publish or Revise [Circle one]
5. An associate degree requires two years of school beyond high school. **Publish or Revise** [Circle one]
6. An actor may have to take some acting classes before being hired for a movie. **Publish or Revise** [Circle one]
7. A bachelor's degree usually requires four years of school beyond high school. **Publish or Revise** [Circle one]
8. Some college students take classes online instead of in a classroom. **Publish or Revise** [Circle one]
9. A master's degree typically requires two to three years of school after you earn a bachelor's degree. **Publish or Revise** [Circle one]
10. The kind of education you need depends on the kind of job you want to do. **Publish or Revise** [Circle one]

I statement

What are some of the schools for training near you? _____

Planet A, The Artistic Planet

On Planet A, the artistic planet, students learn about associate degrees granted by two-year and community colleges and occasionally by four-year institutions. Associate degrees might be career-related and the last step in a student's formal schooling, or they might be transfer degrees that allow a student to transition to a four-year program at a university or college.

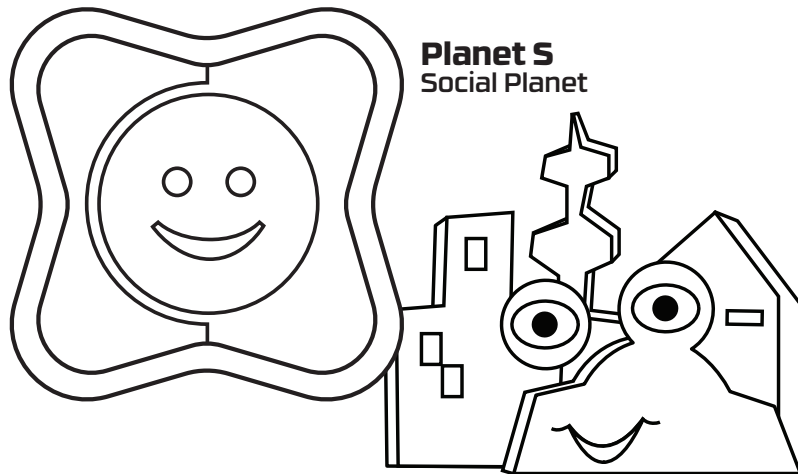
In the game on this planet, students exercise their creative talents by visiting an acting academy and imagining themselves on stage. They draw a picture of the scene with sets, props and themselves as star. In the activity for Planet I, they try on another career that appeals to artistic interests. They act as an editor and decide which sentences in a story about career training and education are correct and should be published and which need revision.

Here are suggestions for supporting your child's learning:

Ask: Do you think you would like to attend a two-year or community college? Why? What kinds of careers could you train for at a two-year college? Careers that appeal to people with artistic interests can require many types of training or education (which is true of careers in all Holland work environments). Many people with artistic interests attend special schools. For instance, a conservatory is a school that trains only music students. Students might attend a fashion design school, an acting academy, journalism school and so forth. How would you feel about attending a school where everyone has similar interests and is training for similar artistic careers?

Do: Visit the website of a two-year or community college. Can you find a list of degrees and programs it offers? (This might be located in an "Academics" area of the site.) Can you imagine the kinds of jobs or careers for which those programs might prepare students? Click around to see what you can discover about this school. Can you tell how and when students take classes at this college? Do they go to classes in person or do they study online or both? Do classes happen at night or on weekends as well as during the business day? If you live near a two-year or community college, consider visiting it in person. You could go for a walk around the campus to see the different buildings, or the campus might be a single building.





Name _____

While you are in the Galaxy system of work, you are earning badges. Many companies and employers have started awarding badges to employees as they complete additional training to keep their skills up to date. Many times those badges can add up to a certificate or credential. Can you name the planets where you will be awarded badges?

R = _____ I = _____

A = _____ S = _____

E = _____ C = _____

Using the Occupation Card for a waiter and waitress fill in the information in the table below.

Quick Facts	Value
National Annual Salary Range	
Entry-Level Education	
Number of Jobs in 2016	
Expected Job Openings 2016-2026	
National Outlook 2016-2026	

Questions

Using the Occupational Database at the base station answer the following question by circling either **True** or **False**.

A nanny helps to take care of children while parents are away from home.	True	False
A fitness instructor helps to teach classes at a local gym.	True	False
A tour guide helps to fix people's cars.	True	False
A dental hygienist helps to clean your teeth before the dentist examines them.	True	False
A physical therapist helps to wash dishes in your favorite restaurant.	True	False
An occupational therapist helps to cut the grass in a near-by park.	True	False
A teacher helps you to learn the planets in the galaxy.	True	False
A waiter helps to pick out furniture for your home.	True	False
A speech pathologist helps people speak and use language.	True	False
A child care worker helps to water plants.	True	False
A midwife helps to deliver newborn babies.	True	False
A nurse practitioner helps to diagnose and treat illnesses.	True	False
A tour guide performs surgery on animals.	True	False
A careers counselor helps people find out what kinds of jobs they many enjoy.	True	False
An education adviser helps high school and college students plan what classes to take.	True	False
An usher helps people to learn how to swim.	True	False
A training and development specialist helps employees learn and get better at their jobs.	True	False
A family and marriage counselor helps families and couples create healthier relationships.	True	False
A medical radiation therapist helps paients with cancer by using machines to deliver treatments.	True	False
A chaplain helps to provide spiritual support to people, especially those in hospitals, nursing homes, or the military.	True	False

Planet S, The Social Planet

On Planet S, the social planet, students learn about certificates and credentials that can be earned from two-year and community colleges, professional organizations, corporations and some military service. Certificate and credential programs vary widely. They might be earned in a few days or a few weeks or as much as two years. They might help a person start a new career or develop new skills for use in a current job or career.

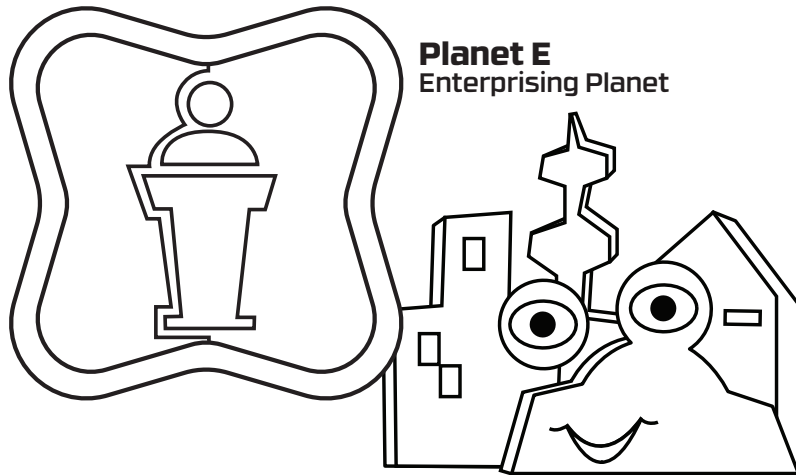
In the game on Planet S, students try out a helping career as they assist Solar Sam to deliver food quickly and correctly to waiting restaurant customers. Solar Sam is earning a restaurant management certificate and will soon be promoted, as long as the restaurant keeps its good customer ratings. In the Planet S activity, students learn about various helping careers by deciding if the given job descriptions are silly or spot-on.

Here are suggestions for supporting your child's learning:

Ask: Have you earned any certificates at school (or from another organization such as a library, club, park, community group, religious institution and so forth)? What did you do to earn the certificate? (These might be for reading, spelling, sports, completion of a program and so forth.) What does that certificate tell others about your skills or knowledge? Why might bosses want their employees to earn certificates or career credentials?

Do: If you have earned any certificates or career credentials talk with your child about that experience and its potential benefits. Does your employer or one you know encourage continuing education or professional development? Explain what that is and why it is important. Encourage your child to participate in short-term programs that might award certificates for completion such as a summer reading program at the library or swimming lessons or a wildlife or junior ranger program at a nearby park. Many of these programs are free. Talk with your child about how these short programs and activities complement what your child is learning in school.





Name _____

Game

In the game there are four open jobs. Using the Occupation Cards, list three suggested college majors.

Public relations manager

Telemarketer

IT project manager

Construction manager

I Statement

Name three education paths you can take after high school.

Questions

For each of the questions check the box for a good or bad habit.

1. Arriving late for work every day of the week. ☐ Good ☐ Bad
2. Completing assignments on time. ☐ Good ☐ Bad
3. Arguing with your boss on a daily basis. ☐ Good ☐ Bad
4. Not getting along with any of the other workers in the business.
☐ Good ☐ Bad
5. Spending time playing on your computer when you are supposed to be working. ☐ Good ☐ Bad
6. Being a good listener and communicator. ☐ Good ☐ Bad
7. Having higher sales than any other employee. ☐ Good ☐ Bad
8. Making sure to check your work so that it is correct. ☐ Good ☐ Bad
9. Sneaking out of work early when no one is looking. ☐ Good ☐ Bad
10. Staying late to get a job done. ☐ Good ☐ Bad
11. Always doing the best work possible. ☐ Good ☐ Bad
12. Blaming someone else when it is really your fault. ☐ Good ☐ Bad
13. Taking an extra 30 minutes at lunch because your boss is out of the office. ☐ Good ☐ Bad
14. Offering to help train a new employee. ☐ Good ☐ Bad
15. Talking about customers behind their backs. ☐ Good ☐ Bad
16. Putting very little effort into your work. ☐ Good ☐ Bad
17. Arriving early for work most days of the week. ☐ Good ☐ Bad
18. Playing games on phone while talking to customers.
☐ Good ☐ Bad
19. Going out of your way to help customers. ☐ Good ☐ Bad
20. Going above and beyond to impress your boss. ☐ Good ☐ Bad

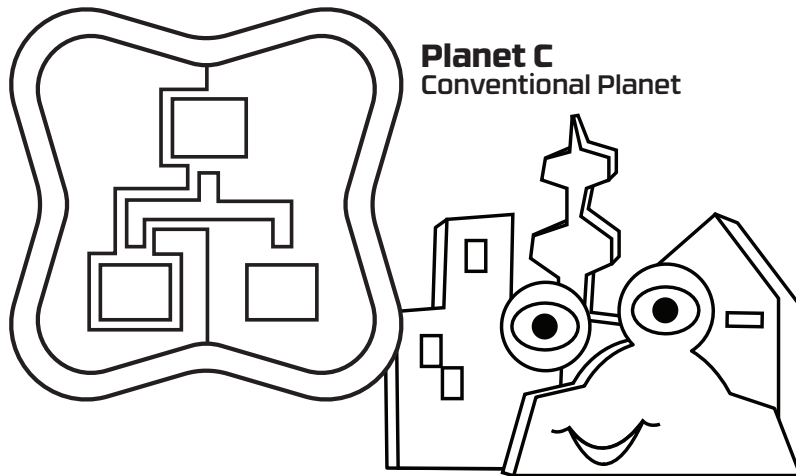
Planet E, The Enterprising Planet

On Planet E, the enterprising planet, students learn about bachelor's degrees, which typically take four years after finishing high school. The bachelor's degree is one of the most common degree options and is required for many jobs. If you hear someone talking about a college degree, they probably mean a bachelor's degree. Students also learn about choosing a focused field of study, which is called a major.

In the game on this planet, students attend a career fair with human relations manager Buzz C. Nova and find good candidates for four specific open job positions. Buzz and the student ask each job seeker questions about skills and interests to decide whether the person would be a good fit for the job. HR manager is one of the many jobs that appeal to people with enterprising interests because it involves being energetic, meeting new people, selecting team members for specific jobs and encouraging everyone to work for a common goal. The activity on Planet E asks students to decide if certain work habits and behaviors would make you a business pro or a no-go.

Here are suggestions for supporting your child's learning:

- Ask:** Do you like to meet new people? Do you like building a team—for sports or gaming or a group project? What do you need to think about when you decide who should be part of the team and what each person should do?
- Do:** As you go about your daily tasks in the community or watch movies or programming at home, pay attention to the kinds of workers you see and talk with your child about them. Do you see any people or characters who are good leaders? What makes those people good leaders? Do you spot any good work habits or behaviors? What are they? Do you see anyone with work habits or behaviors that might not be so positive? What could that person do differently?



Name _____

Game

- What are the four C's of Planet C?
a. _____ b. _____
c. _____ d. _____
- Do you learn better in a neat, tidy environment?
Yes or No [Circle One]
- Look at the medical records technician occupation card. What credential does one usually have? _____

Questions

- I have the supplies I need for my class. **Yes No Maybe** [Circle One]
- I make a study guide before a test. **Yes No Maybe** [Circle One]
- I finish my school work on time. **Yes No Maybe** [Circle One]
- My desk at school is neat and clean. **Yes No Maybe** [Circle One]
- I like to put certain things in certain places. **Yes No Maybe** [Circle One]

- My presentations and reports are neatly organized. **Yes No Maybe** [Circle One]
- I set aside time to study and do my school work. **Yes No Maybe** [Circle One]
- I check my school calendar every day, so I know what assignments are due. **Yes No Maybe** [Circle One]
- I write down any assigned homework before I leave school for the day. **Yes No Maybe** [Circle One]
- I make sure I have with me the correct books to do my school work. **Yes No Maybe** [Circle One]
- My backpack is well-organized. **Yes No Maybe** [Circle One]
- I use folders to store important papers that need to go home to be signed and returned to school. **Yes No Maybe** [Circle One]

I Statements

To answer this I statement you will need to talk to at least three different people who have jobs. Below, list their jobs and what education they had to complete to be able to do their jobs.

Number	Job Title	Training/Education
#1		
#2		
#3		

Planet C, The Conventional Planet

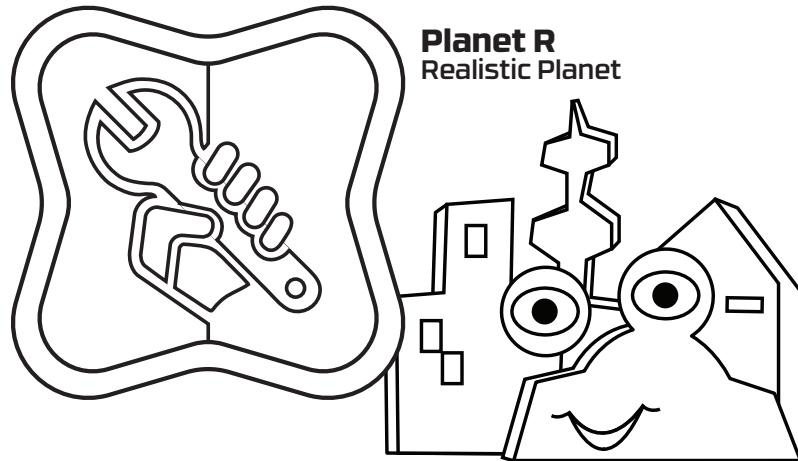
On Planet C, the conventional planet, students learn about technical training programs. These can usually be completed in fewer than two years and are designed to help people prepare for their first jobs in specific careers. Technical training combines classroom instruction with on-the-job training. People can complete technical training programs at two-year and community colleges as well as at specialized technical schools. In Oklahoma, these programs are available at CareerTech technology centers, which are free to high school juniors and seniors living in the center's district.

The game on this planet takes place at Cosmic Technical School. Someone has left messy desks in one of the classrooms. Students straighten up the desks to match a suggested layout, allowing them to practice organization, a valued skill in conventional work environments. The activity on Planet C asks students to think about how often they use attitudes and work habits that keep them organized and help them plan ahead. These habits will help at school and at home. Even if they aren't very organized now, the activity gives them some ideas about organizational and planning habits they could try.

Here are suggestions for supporting your child's learning:

- Ask:** Do you like to work or do your hobbies in a tidy environment or does a cluttered space spur your creativity? Are you ever frustrated when you can't find something or miss a deadline or activity because you forgot about it? What strategies could you use to help avoid that kind of frustration?
- Do:** Create a planner with your child. It could be an individual booklet-sized planner, or you might want to create a wall-sized family planner. The next time you need to organize or re-organize a drawer or closet or room, invite your child to help plan how to organize the items. Then work together to follow through on the plan and get organized together. Start a piggy bank or savings account with your child. Together, select or create a small notebook for tracking the money that goes into and comes out of the bank. Show your child how to keep a running total of the current balance by adding or subtracting each entry to or from the previous balance.
- Plan:** It may seem early, but it is never too early to begin planning for your child's training or education after high school. Continue to research training and education options with your child. Ask questions. Visit campuses. Talk to people whose jobs seem interesting and ask what kind of training a person needs to do the job. Begin learning about the cost of various kinds of programs and schools. If you are able, consider starting a saving program. Saving a little bit each month now could make a big difference when your child finishes high school.





Name _____

1. What is training? _____
2. What is education? _____
3. Planet R is the _____ planet.
4. The people on Planet R like to work with their _____.

Video

After watching the video, look at the Occupation Cards. The Quick Facts lists the entry-level education. For each occupation below, copy education needed to start that job.

1. Auto Mechanic: _____
2. Electrician: _____
3. Wallpaper Hanger: _____
4. Computer Programmer: _____
5. Craft Artist: _____
6. EMT: _____
7. Baker: _____
8. Chef: _____
9. Bank Teller: _____
10. Plumber: _____

Kuder Galaxy®

Game

The objective of this game is to unclog all of the pipes in the apartment building. Make sure to unclog from the bottom up.

Move: arrow keys or WASD

Jump: up arrow 2x or W 2x

Cycle through tools [when close to toilet, sink or tub]: space bar

Use a tool: enter or E key

1. What were the two tools used in the game? _____ and _____
2. When you practice as an apprentice, you can become a _____.

Questions

Apprenticeships combine some classes with a lot of _____.

Using the Occupation Database at the base station look up for each job below the entry-level education and entry-level earnings.

Job	\$ Earnings \$	Education
Landscape Gardener		
Bus Driver		
Pilot		
Café Worker		
Truck Driver		
Plumber		
Bicycle Mechanic		
Cabinet Maker		
Furniture Finisher		
Welder		
Diver		
Crane Operator		

I Statements

Working is lifelong learning, list your interest that could lead to a job in the future. _____

Planet R, The Realistic Planet

On Planet R, the realistic planet, students learn about apprenticeships. This kind of training allows people to work full time and earn a salary while receiving on-the-job training for one to six years. While only some jobs can be learned by apprenticeship, there are still many options. Apprenticeship programs are available for about a thousand different careers. Apprenticeships are popular, and admission into a program is often competitive.

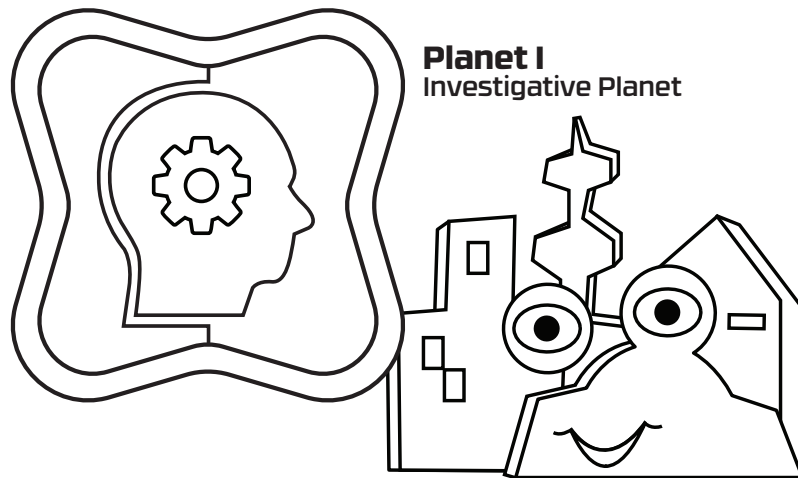
In the game on this planet, students fill in for plumber Pluto Halfpipe's apprentice. They help to unclog the drains in a college dormitory before things get really messy. In the follow-up activity, students match job descriptions that are typical of the realistic work environment to the correct job names. This helps them see a wide variety of occupations that might appeal to people with realistic interests.

Here are suggestions for supporting your child's learning:

Ask: Did any of the careers on Planet R interest you? Why? (In addition to plumbers, the narration and matching activity introduce students to other careers that are typical of a realistic work environment, including auto mechanics, electricians, wallpaper hangers, landscape gardeners, bus drivers, pilots, cafe workers, truck drivers, bicycle mechanics, cabinet makers, furniture finishers, divers and crane operators.) Do you think you would like to be an apprentice who learns on the job? What do you think the advantages and drawbacks might be of an apprenticeship?

Do: Let your child watch or help you make basic repairs or complete projects around the home. If appropriate and safe, ask your child to select and hand you the tools or equipment you need. Invite your child to try using the tools to do part of the repair or project with your guidance. If you know a plumber or electrician or someone else who might have been trained as an apprentice, you and your child could ask how that person learned to do the job.





Planet I Investigative Planet

Name _____

Video

Looking at the Occupation Card for each of the jobs below. Fill in the entry-level education and the salary range.

Job	\$ Salary Range \$	Entry-Level Education
University Professor	to	
Lawyer	to	
Doctor	to	
Veterinarian	to	

Game

The objective of this game is to show students to their different colleges around the university.

Move: arrow keys or WASD

Jump: up arrow 2x or W 2x

Talk to students: space bar

Map: enter or E key

How many colleges were there at UU? _____

Questions

Using the Occupation Cards that your teacher supplies you, look up for each job below the entry-level education and entry-level earnings.

D-PD: Doctoral or Professional Degree

AS: Associate Degree

BS: Bachelor's Degree

PSND: Postsecondary nondegree

MD: Master's Degree

HSD: High School Diploma

Place a check to the left of the degree required for entry-level education.

Job	\$ Earnings \$	Entry-Level Education
Veterinarian Technician		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Food Sciences and Technologists		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Fire Investigators		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Optometrists		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Economists		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Logistics Engineers		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Chemical Technicians		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Criminal Investigators		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD
Urban and Regional Planners		<input type="checkbox"/> D-PD <input type="checkbox"/> AS <input type="checkbox"/> BS <input type="checkbox"/> PSND <input type="checkbox"/> MD <input type="checkbox"/> HSD

I Statements

1. Why do different jobs need different amounts of training beyond high school?

2. What career requires a D-PD? _____

3. What career requires an MS? _____

4. What career requires a BS? _____

Planet I, The Investigative Planet

On Planet I, the investigative planet, students learn about advanced degrees, those that follow completion of a four-year bachelor's degree. Advanced degrees such as master's and doctoral degrees can be academic degrees such as those earned by research scientists and professors. They can also be professional degrees such as those required for doctors, veterinarians, lawyers and counselors to practice in their fields.

In the game on Planet I, students learn that universities are structured so that related fields are grouped together in colleges or schools. A university might contain several colleges or schools, such as the College of Business or the College of Health Science. The game is set on the large flagship university in the Galaxy of Work. Galaxy students meet lost university students, learn their major fields of study and then guide them to the correct college on campus. The activity on Planet I invites students to think about how one's choice of career affects the kind of education one needs. For instance, being a veterinarian requires an advanced degree (about seven to nine years of schooling after high school), while being a veterinary technician usually requires an associate degree (about two years of schooling after high school).

Here are suggestions for supporting your child's learning:

Ask: Have we met anyone who has an advanced degree? (Examples could include doctors, dentists, school counselors, veterinarians, lawyers or university or college professors.) How long do you think that person was in school from kindergarten through the final year at university? How many years do you think you will go to school after you finish high school? Do some of the jobs that interest you require you to earn an advanced degree?

Do: If you live near a university, go for a walk around the campus. Look at the building names to try to guess what kinds of classes or activities are held in them. If you spot a campus map, look at it to see how big the campus is. What kinds of buildings are near each other? You could also go on a virtual walk around a campus. Most universities have one or more campus maps on their websites. Some may even have 3D virtual tours. (Look for a "Visit Campus" or "Campus Tour" link or similar language. Often this is in the admissions area of the website. You could also use the search bar on the university website to search for "campus map.") You might be able to use the street view of an online mapping app to walk around campus and see the buildings.

