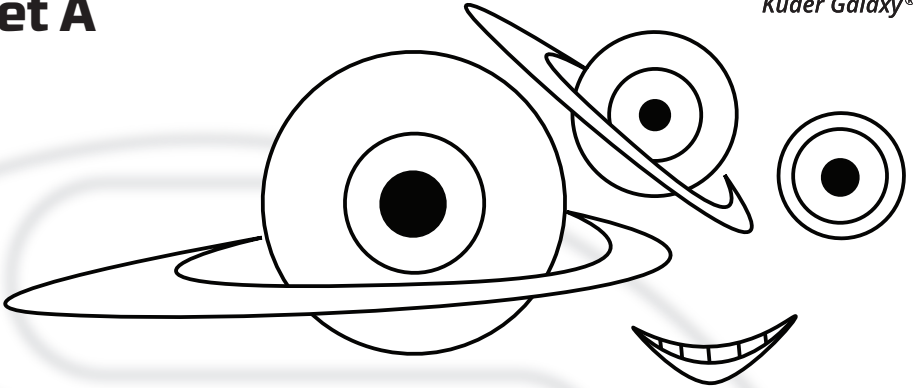
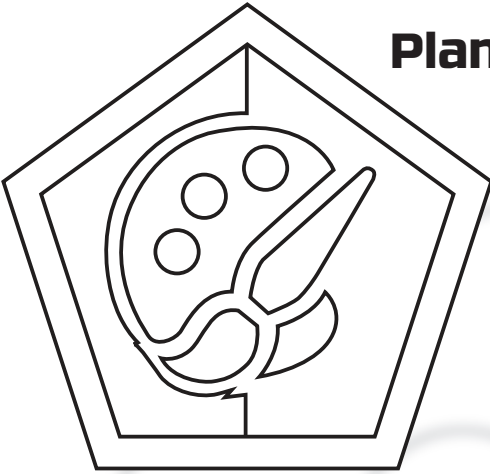


Planet A



Pre Work

Using the Occupation Cards tell what jobs below do.

- 1. Architect: _____

- 2. Photographer: _____

- 3. Singer: _____

- 4. Writer: _____

- 5. Hairdresser: _____

Virtual Field Trip Questions

List three things that the landscape architect does on the job.

- A. _____
- B. _____
- C. _____

Game

Because the game is to design a world, you need to take a picture before you click the done button. To save on a computer push the **Alt + Print Screen** button. Then you can open a word document and push **Ctrl + V** button to paste your picture. On other devices, check with your teacher.

Activity Questions

- 1. Do you like to listen to music? **Yes** or **No** [Circle one]
- 2. Do you like to write stories? **Yes** or **No** [Circle one]
- 3. Do you like to do art projects? **Yes** or **No** [Circle one]
- 4. Do you like to pick out your own clothes? **Yes** or **No** [Circle one]
- 5. Do you like to hang art work on the classroom wall? **Yes** or **No** [Circle one]
- 6. Would you like to furnish and paint your bedroom? **Yes** or **No** [Circle one]
- 7. How would you feel if your school concert was canceled? **Good** or **Bad** [Circle one]
- 8. Would you like to decorate for a party? **Yes** or **No** [Circle one]
- 9. Would you like to perform in front of your class? **Yes** or **No** [Circle one]
- 10. Do you like going to the salon to help someone get a new haircut? **Yes** or **No** [Circle one]

I Statements

What are two different types of work settings and conditions? [You can use Occupation Cards.]

- A. _____

- B. _____

Name _____

Planet A, The Artistic Planet

Planet A is the place for people with artistic and creative interests. People here like daily work tasks in which they can create, communicate or perform in some way. These creators like to express themselves through art, music, dance, writing and acting, but they also design buildings, outdoor spaces, computer programs, clothing and more. Artistic people often like to work independently. Rather than follow exact rules about how things have been done before, they like to experiment with new forms and materials and often work with patterns and designs. Many kinds of jobs use artistic or creative thinking. Actors, authors, painters, dancers, musicians and singers have artistic jobs, of course. That's not all, though. Editors, television reporters, architects, interior designers and hairdressers have artistic jobs, too. They invite us to see the world differently.

In the game at Level 3 on Planet A, students work as landscape architects to beautify a barren space. They use colored stones, plants and fountains to create a space that people can enjoy. The activity on this planet asks students how they feel experiencing and participating in many kinds of artistic and creative activities.

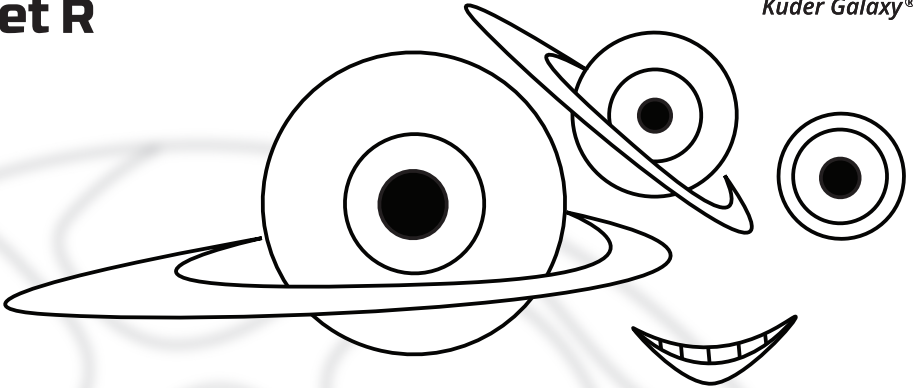
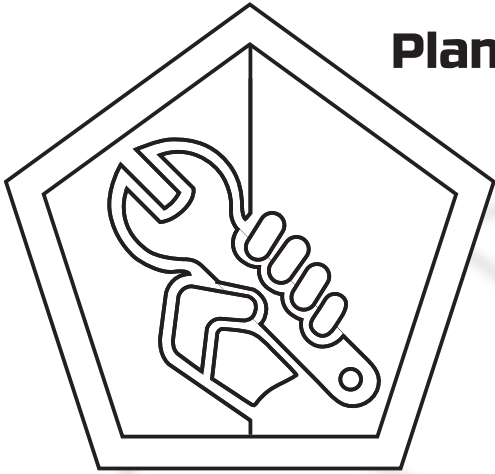
Here are suggestions for supporting your child's learning:

Ask: Do you prefer to follow a pattern when you do an art project, or do you like to have more freedom to create whatever you imagine? What kinds of materials do you like to use when you create artistic projects? (Do you like to use pencils, markers, chalk or paint? What about yarn and fabric and beads? How about rocks and bricks and plants? What about makeup, wigs and costumes? What about words, rhymes and musical instruments?) What are the best aspects about performing in front of others? What do you like least?

Do: Get crafty! You don't need to purchase special materials to encourage your child to try creative activities. A pencil and scrap paper, a pile of clothes, rocks with interesting shapes or empty boxes can be the start of a creative project. Visiting art galleries and concert halls are great outings, but you can find art and performances nearer to home. As you are out and about, look for murals on buildings, sidewalk chalk art, concerts in the park or musicians in the subway, beautiful gardens or buildings with interesting designs. Keep your eyes open for evidence that a creative person was here before you and talk with your child about how seeing and experiencing these creative moments make you feel.



Planet R



Pre Work

1. How do you define "work environment"?

Circle one answer for each question.

2. Do you like to work *inside* or *outside*?

3. Do you like to be *clean* or *dirty*?

4. Do you like to be with *other people* or *by yourself*?

5. Do you like to do the *same thing* or *something new* every day?

Virtual Field Trip Questions

The video speaks to four jobs. Using your Occupation Cards list their realistic working environments.

1. Auto Mechanics: _____

2. Forester: _____

3. Power Plant Operator: _____

4. Construction Manager: _____

Game

1. How many diseased trees were in the first forest? _____

2. How many diseased trees were in the second forest? _____ The weather was _____.

3. How many diseased trees were in the third forest? _____ The weather was _____.

Activity Questions

1. How much do you like to be out in the snow?

2. How much do you like to be out in the rain?

3. Do you like to play outside when it is hot?

4. Do you like it when it is cold outside?

5. Do you mind being outside when it is windy?

6. What do you like to do during a huge rainstorm?

7. Which do you prefer, *outside*, *inside* or *both*?
[Circle one]

I Statements

My interests and hobbies are: _____

Occupation Database

On page 5 of the occupation database you will find forester. Click on the magnifying glass and open.

What is the future job outlook? _____

Name _____

Planet R, The Realistic Planet

Planet R is home to people who like working with their hands, tools, equipment, and machines. Often, they work with plants or animals. People who have realistic interests are often thought of as practical do-ers, people who see situations and tasks clearly and deal with them sensibly. They enjoy being able to see what they have made, repaired or accomplished when they are finished. Many people with realistic interests work outside—in fields and forests, on or under the water, on construction sites and road projects, in gardens and green spaces, in zoos and hatcheries. Of course, others work inside—in machine or repair shops, in truck cabs or cockpits, in cafés or medical labs. Still others have jobs that require them to spend time both outside and in, such as surveyors, civil engineers or power plant operators. Despite this variety, people with realistic interests and jobs do have a lot in common. They tend to be active and moving around when on the job, and their work often involves using tools or equipment to make, build, repair, grow or drive things.

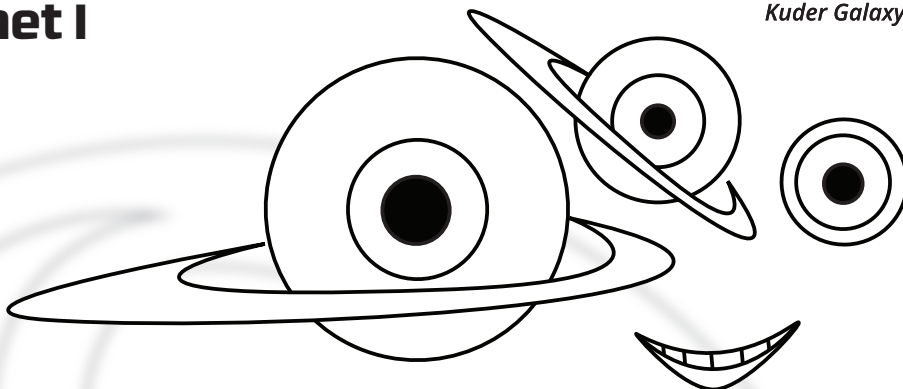
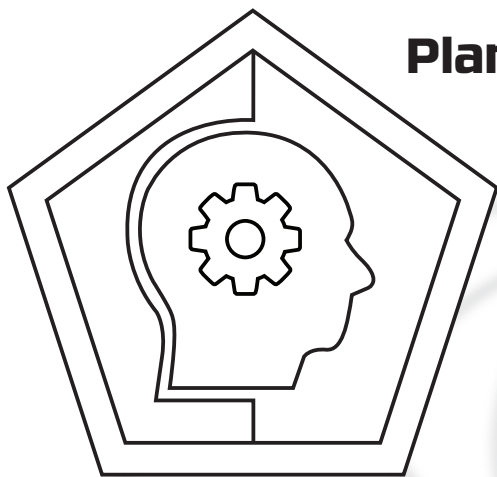
At Level 3, when students visit Planet R, they play a game in which they help a forester mark diseased trees for removal to keep Crater Forest healthy. While they are at work, they experience many weather conditions. This is an outside job, though, so they keep working in sunshine, rain, heat and cold. The activity on this planet asks students to think about how much they like to experience different weather conditions.

Here are suggestions for supporting your child's learning:

- Ask:** The game on Planet R took you into an outdoor setting to work in a forest. Would you like to do a job that is mostly done outside? Would you like to do a job that involves taking care of trees or plants? What other kinds of jobs have you seen that take place outside? (Examples include people taking care of the grass at a sports field or stadium, people caring for trees and plants in my neighborhood, people working to build roads and streets and buildings, people reporting on weather and storms.)
- Do:** Play a game with your child as you are out and about (or watching programs together) to see who can spot people working with tools or equipment. Where are they doing their jobs? Besides being outside or inside, what else do you notice about that job? Is it noisy? Is it dirty? Does it involve getting wet? Does the person manipulate dials or gears or levers? Does the person make big movements or small movements to do the job (swinging a hammer versus turning a screwdriver or cutting large pieces of wood with a table saw versus manipulating fabric in a sewing machine).



Planet I



Planet I is the investigative planet, and your astronaut guide said to put on your thinking cap. So what are the people of Planet I called?

Virtual Field Trip Questions

The video list eight jobs. Using the Occupation Cards list one item that would make each job a thinker job.

1. Doctor: _____
2. Surgeon: _____
3. Veterinarian: _____
4. Surgical Technician: _____
5. Veterinary Technician: _____
6. Laboratory Technologist: _____
7. Archeologist: _____
8. Meteorologist: _____

Game

Using the Occupation Card for X-ray technician, fill in the following information.

1. Salary Range: _____
2. Entry-Level Education: _____
3. Number of jobs in 2016: _____
4. Job openings (2016-2026): _____
5. National Outlook: _____

Activity Questions

1. Do aerospace engineers work *inside, outside* or *both*? [Circle one]

2. Do microbiologists work *inside, outside* or *both*? [Circle one]
3. Do astronomers work *inside, outside* or *both*? [Circle one]
4. Do meteorologists work *inside, outside* or *both*? [Circle one]
5. Do veterinarians work *inside, outside* or *both*? [Circle one]
6. Do food technologists work *inside, outside* or *both*? [Circle one]
7. Do chemistry technicians work in a *lab, factory* or *both*? [Circle one]
8. Would you find agricultural engineers in an *office, meeting* or *both*? [Circle one]

I Statements

Name 6 different work environments.

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____
- F. _____

Holland Guide

Describe the "I" area.

Name _____

Planet I, The Investigative Planet

Planet I is home to people who are curious about how things work. They ask questions about the world and people around them and do research to find answers. These thinkers enjoy using their minds to solve problems. They research, analyze and diagnose. Many occupations in the medical field fit within an investigative work environment because they involve the study of diseases, symptoms and health factors in humans and animals. People with investigative interests have many career options in other fields as well. They may study the chemical composition of substances, weather patterns or economic trends, for instance.

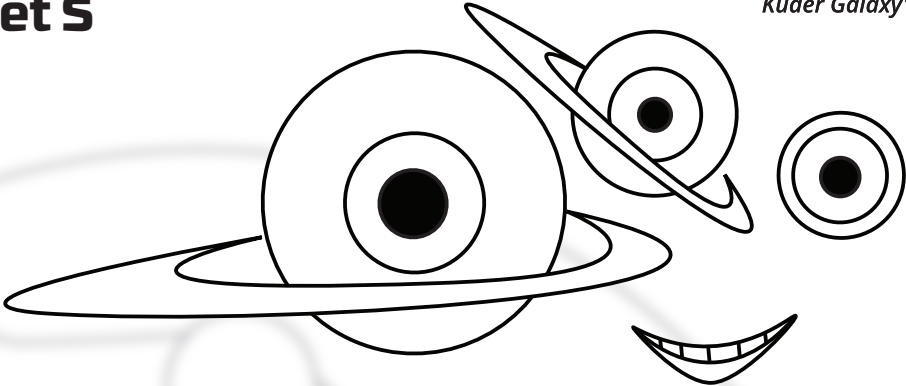
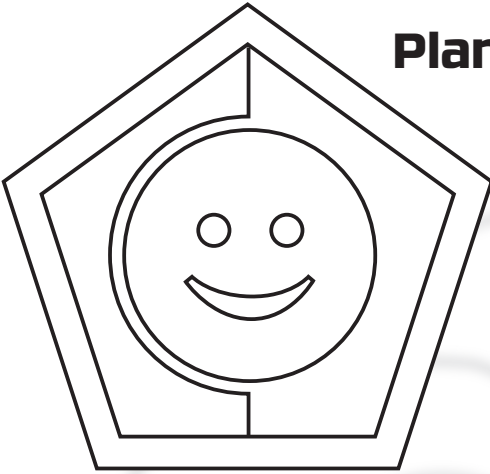
On Planet I at Level 3, students help an X-ray technician at Lunar Laboratory organize X-rays of a patient for the doctor. The activity for this planet describes different kinds of scientists and asks students where we might find these scientists at work. The scientists in this activity include aerospace engineers, microbiologists, physicists, meteorologists, veterinarians, food technologists, chemistry technicians and agricultural engineers. Although many scientists work inside in labs, students discover that we can find scientists doing their investigative jobs in many work environments.

Here are suggestions for supporting your child's learning:

- Ask:** The game on Planet I took you into a medical laboratory to work in a radiology department. Do you think you would like to create and run medical tests to diagnose illnesses? Would you like to run experiments inside in a lab? What kinds of investigations do people do outside? (Examples might include studying weather patterns, digging at an archaeology site and studying how plants react to different amounts of water or sunlight.) People with investigative interests often work alone much of the time. Do you prefer to work alone to solve a problem, or do you like to work with others in a team?
- Do:** Foster curiosity. Encourage your child to ask questions that begin with "how" and "why." Then think about ways people have worked—or will work—to find answers to those questions. Do simple experiments together. What do you want to know? How can you find the answer? What criteria will you use? Will a thick rubber band or a skinny rubber band fly farther? Which hair product helps my hair stay styled the way I like better in the wind or rain or humidity? Do glass, metal or silicone baking dishes cook our food differently? Talk together about how to find answers to your questions and what you learn as a result of conducting those experiments.



Planet S



1. In the Galaxy of Work the S stands for _____.
2. What does it mean to be social?

Virtual Field Trip Questions

With your planet buddie look at the Occupation Cards for this planet and list below how each occupation is social.

1. Physical Therapists: _____

2. Fitness Instructors: _____

3. Tour Guides: _____

4. Community Health Workers: _____

5. Coaches: _____

Game

1. Talk with each worker at Gamma Ray Health and find out: How do they help people?
 - a. Beta Borealis: _____
 - b. Sunny System: _____
 - c. Neptuna Neutron: _____
 - d. Pluto Tera: _____
 - e. Astro Flares: _____

2. What two Gamma Ray Health people did you choose to help Cosmos?
 - a. _____
 - b. _____

Activity Questions

1. Would you want to be a waiter in a restaurant? **Yes** or **No** [Circle one]
2. Would you like to be a child care worker at a preschool? **Yes** or **No** [Circle one]
3. Would you want to be a speech pathologist? **Yes** or **No** [Circle one]
4. Would you like to be a teacher? **Yes** or **No** [Circle one]
5. Would you like to be a physical therapist? **Yes** or **No** [Circle one]
6. Would you want to work as a ticket taker at the movie theater? **Yes** or **No** [Circle one]
7. Would you like to be a fitness instructor? **Yes** or **No** [Circle one]
8. Do you think you might like a social job? **Yes** or **No** [Circle one]

I Statements

Identify and describe the importance of an essential workplace skill.

Skills: _____

 Importance: _____

Name _____

Planet S, The Social Planet

People here care about others' well-being. These helpers teach, heal or provide services. People with social jobs tend to be good communicators and prefer to be around other people rather than work alone. You will find people with social jobs working in day cares, schools, doctors' offices, clinics, restaurants, hotels, tourist sites and fitness centers.

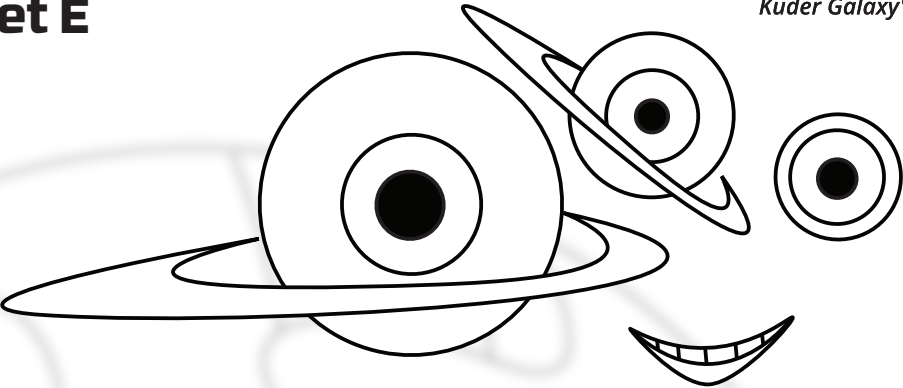
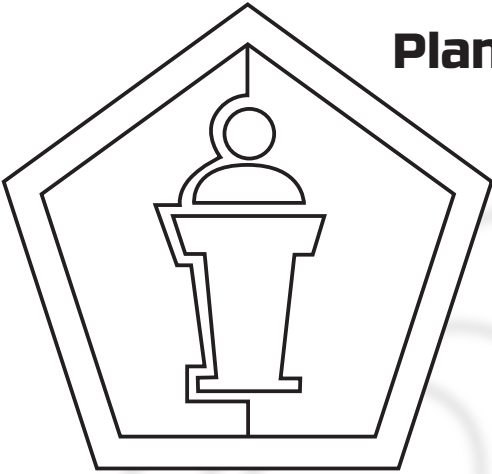
At Level 3 on Planet S, students visit the Gamma Ray Health and Fitness Center. They talk to several people with helping careers there to learn what they do and how they can help Cosmos Quasar continue to recover from a playground injury. Good communication skills are vital for people with social, or helping, careers. In the activity for this planet, students are presented with situations that people with social jobs might encounter, and they decide what the best response would be.

Here are suggestions for supporting your child's learning:

- Ask:** People with helping jobs spend a lot of time working with others. What kinds of helpers have we met lately? (Examples might include teachers, child care workers and babysitters, speech pathologists, waiters, tour guides, religious leaders, counselors and coaches.) Would you like to work closely with others most of the time? What do you like about helping others? Are there times when you don't enjoy helping others very much?
- Do:** Pretend games can be a good way to practice helping and communication skills. Your child might enjoy playing school and being the teacher or playing restaurant and being a waiter. Invite your child to be a tour guide and show you around the school, park, studio or another place your child knows well. What do you as a visitor need and want to know? How can your child help you to feel comfortable and familiar with this space?



Planet E



1. Could you convince the others in your class to choose a field trip that you liked? **Yes** or **No** [Circle one]

2. In the Galaxy of Work the E stands for _____.

Virtual Field Trip Questions

Using the video and the Occupation Cards, find out who the enterprising workers below lead as they do their jobs.

- 1. Telemarketers: _____
- 2. Project Managers: _____
- 3. Public Relations Managers: _____
- 4. Hotel Managers: _____
- 5. Directors: _____

Game

Galexia is looking for a room for the night. Answer the questions below as to how you should answer questions.

- 1. Do I need to tell the truth when talking to a customer? **Yes** or **No** [Circle one]
- 2. Do I need to be polite while talking with a customer? **Yes** or **No** [Circle one]
- 3. Do I need to be excited about our hotel? **Yes** or **No** [Circle one]

4. Do I need to give details about what the hotel has to offer? **Yes** or **No** [Circle one]

Activity Questions

- 1. Would you like to be a hotel manager when you grow up? **Yes** or **No** [Circle one]
- 2. Would you like to work in a barista when you get older? **Yes** or **No** [Circle one]
- 3. Would you think you would make a good detective when you get older? **Yes** or **No** [Circle one]
- 4. Would you like to be a copywriter when you grow up? **Yes** or **No** [Circle one]
- 5. Would you consider being an executive in a big company? **Yes** or **No** [Circle one]
- 6. Would you like to work as an air traffic controller? **Yes** or **No** [Circle one]
- 7. Would you like to lead, sell and supervise? **Yes** or **No** [Circle one]

I Statements

Using the Occupation Database at the base station, list an occupation for each work environment. Using the filter [Holland Code] you can enter the letter for each planet and list one occupation below. List only an occupation where the Holland Code letter is first.

- R: _____
- I: _____
- A: _____
- S: _____
- E: _____
- C: _____

Name _____

Planet E, The Enterprising Planet

Planet E is the place for leaders, salespeople and entrepreneurs. People with enterprising interests are energetic and persuasive. These persuaders like to meet new people and make connections. They enjoy selling, making deals and influencing people's decisions and choices. They are good at listening and observing others to understand what people want, need and value. This helps them persuade people to buy a product, to change their minds, to support a cause or to work together to reach a common goal. People who enjoy an enterprising work environment like to lead or supervise others. Many have created their own businesses, manage corporations or have been elected government leaders.

At Level 3 on Planet E, students help a hotel manager rent the last empty room at the Hotel Aurora for the night. They practice their listening and persuasive skills to convince the potential guest that this will be a great place to stay. In the activity, students are introduced to six careers that appeal to enterprising people and identify where they are most likely to find these people doing their jobs.

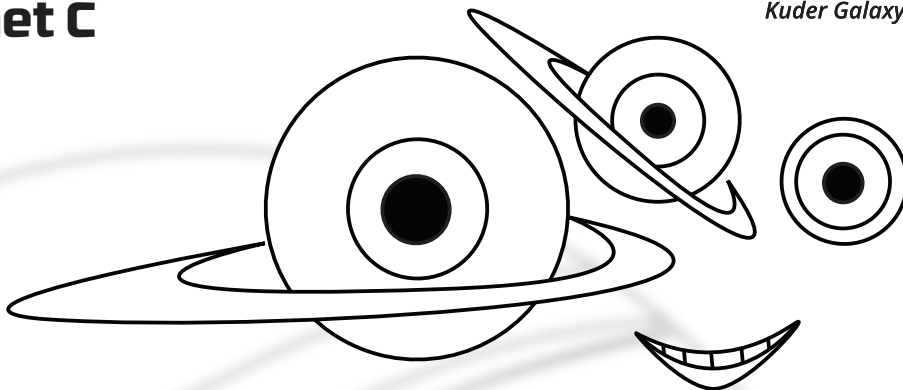
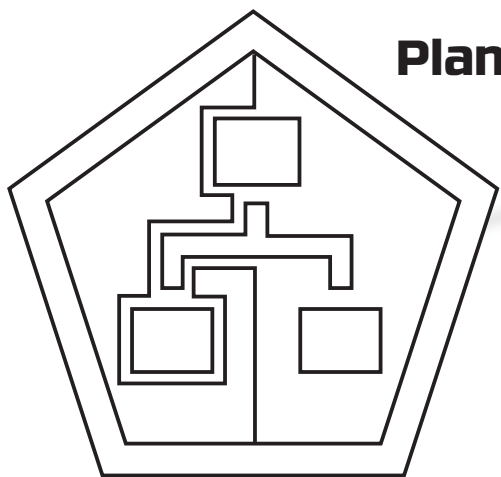
Here are suggestions for supporting your child's learning:

Ask: Do you think it is easy or hard to figure out what other people like or want to do? What are some of the clues you can look for or questions you can ask to help you understand what people would like or what is important to them? Do you like to convince others to do something you want to do? How do you get your friends to try something new or change their minds?

Do: When you go to the grocery store or another store together, talk about the items you see that you want to buy, even though they weren't on your list. What makes them appeal to you and other customers? In other words, think about how the shop or the store manager is working to persuade customers to buy these products. (You might think about the ways items are packaged, how colorful they are, where they are located in the store, where they are located on the shelves and how easy it is to see them, what needs or wants those items would satisfy and so forth.) You might also visit areas in your community and imagine together what kinds of businesses could be started here. What might the people who live or work here like to buy or do? What kinds of businesses would meet their needs?



Planet C



1. In the Galaxy of Work the C stands for _____.

2. People on Planet C like to follow _____.

Virtual Field Trip Questions

1. Using the video and the Occupation Cards find out what activities the conventional workers below do in their job.

a. Accountants: _____

b. Pharmacy Technicians: _____

c. Librarians: _____

d. Archivists: _____

e. Postal Delivery Officer: _____

f. Logistics Manager: _____

2. Are you a person who has a place for everything and likes everything in its place?
Yes or No [Circle one]

Game

1. How many items did you have to pack into the box?

2. Do you think you would like a conventional job?
Yes or No [Circle one]

Activity Questions

Read the questions on the computer as you answer the questions below.

1. Do you think you would like to be a statistician?
Yes or No [Circle one]

2. Would you like to become a dental assistant?
Yes or No [Circle one]

3. Do you think that you would like to be an archivist? **Yes or No** [Circle one]

4. Would you like to be a web administrator for the school? **Yes or No** [Circle one]

5. Do you think you could work as a radio dispatcher? **Yes or No** [Circle one]

I Statements

List below three people that you have watched doing their jobs and describe what each does.

1. Job: _____
Description: _____

2. Job: _____
Description: _____

3. Job: _____
Description: _____

Name _____

Planet C, The Conventional Planet

Planet C is the work environment for people who like to work with data and numbers; establish and follow procedures; and record, track and locate information and items. In short, this is the place for the organizers who are detail-oriented, accurate and efficient. People with conventional interests might be administrative assistants or records managers, loan officers or law clerks, actuaries or accountants, pharmacy or surgical technicians, party planners or property assessors. People who prefer a conventional work environment make sure events run smoothly, goods are packed and shipped efficiently, money is counted carefully, buses and trains arrive on schedule and records are stored and retrieved efficiently. They help everyone stay on time and on task.

In Level 3 on Planet C, students learn a bit about logistics. In business, logistics is often about moving things from where they are grown or made to where they are stored and then on to shops or customers. Students help to pack a box of astronaut supplies neatly and efficiently for shipment from the Wavelength Warehouse. In the activity for this planet, students learn about ways in which people with several types of conventional occupations such as statisticians, dental assistants and web administrators work and consider whether they would like to work in that way.

Here are suggestions for supporting your child's learning:

Ask: How do you feel about tasks that involve packing many things into one container, such as packing your school supplies into your backpack, packing clothes into a suitcase, packing toys into a toybox or cubby? Does finding the right fit feel like a game or a chore or something else? Do you like to work in an orderly process, one step at a time? What kinds of tasks are like that? Why is it important to follow steps in order sometimes?

Do: Where did the things in your home or schoolroom come from? How did they get here? Look at the labels on clothing or other items to see where they were made. Look at a map or globe to see how far that is from where you live. What kinds of journeys did those goods take? Where do you think they stopped along the way? What kinds of vehicles did they come in? If you go to a farmers market, craft fair or other place where people sell local goods, you might ask where they work, how far they have come and how they brought their goods to the market. Did they use a truck? Did they have a long drive? Did they gather goods from more than one place to bring here? When you get home, look at a map of the local area to see if you can find the place where the farmers or artisans work to grow or make their goods to bring to market. If you will be taking a trip — across the neighborhood, across town, across the region or country or to another part of the world — invite your child to help you plan the route. What vehicles will you take? What stops will you make?

