### Grade 4 Planet I Theme: Advanced Degrees

[Galaxy] [40-45 minutes] [Date]

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| Content Focus  Describe what the students will learn. | | | | |
| TECHNICAL | | ACADEMIC | | 21ST CENTURY SKILLS |
| What kinds of training and education prepare people for work?  Hand-eye coordination | | Listening  Reading  Responding | | Collaboration  Communication  Productivity |
| 6E Lesson Outline  Describe what learning activities the student will do. | | | | |
| TIME | SEQUENCE | | DESCRIPTION OF LEARNING ACTIVITY | |
| 5 min | Get Started / **Engage**: Focus on the class and the lesson topic. | | Show students the Teacher Aid 4 sheet describing the big question and what they will be doing as they follow Pioneer the City of Knowledge to Planet I. What are the people called on this planet? | |
| 5-10 min | Discover / **Explain**: Provide new information or demonstrate a skill. | | Talk about the planet they will encounter, I investigative.  Using the computer, they will watch a video, work at an activity and answer questions.  They will also have a badge worksheet that will be used as they are on the computer. They should read the questions before they start. | |
| 10 min | **Exploration**: Provide opportunities to practice independently or in groups. | | **Option 1:** If you have computers for all students:  Log on to computer and start program. Using the worksheet as their guide follow program until end of video. Can stop and answer questions, discuss or go on to activity. Questions will be throughout the planet experience. Can also go through questions as a group at the end or let them do independently.  **Option 2:** Using only teacher computer and projector:  The worksheet will be the guide. This option allows group to watch videos together and would allow students one at a time to do the game. The game can be repeated if needed. They would answer the questions on the worksheet. They could also discuss questions as a group.  **Option 3:** Computers set up as a center:  Using the worksheet as a guide, they can discuss questions but must answer individually. Have the students follow the Galaxy leader and answer questions as a team after video, game and questions at end. They will have to refer to the occupation cards as they answer the questions. The I statement will be a part of the worksheet.  They will also have to use the Holland Guide at the end of the mission at the base station.  May want to upload worksheet or picture of worksheet to I statements. Have them check off the I statement on the computer.  At the end, have them color the I planet badge sheet. | |
| 10 min | Check for Understanding / **Elaboration**: Monitor what is being learned. | | Have them talk about videos with partners.  Have them talk about game with partners.  Have them talk about questions after finished.  Fill out questions on badge sheet.  **The I statement:** Answer on worksheet but also have students check off the I statement on the computer they answered.  They can also open up the Holland Guide and reflect on the thinkers.  May want to use the Galaxy Guide to Training and Education to have a discussion about the amount of training past high school and how that relates to earnings. | |
| 10 min | Close / **Evaluation**: Summarize, check and answer questions. | | Can do group evaluation of asking the questions again and finding out if students know which workers do which jobs.  Can use the occupation cards and discuss the environments of occupations for this lesson.  At the end, students will color the badge and take home the badge sheet with parent helps on the back.  Send home the R planet badge sheet along with the parent suggestions for supporting their child’s learning. | |
|  | Support, Modifications and **Extensions**: Support learning for all students. | | Make sure the program is reading to the students. | |
| Materials and Resources—What do you need to assemble and prepare before the lesson? | | | | |
| Worksheet  Teacher Aid 4 Sheet  Big Question and Learning Objectives  Grade 4 I Statements and Questions from Planet I  21st Century Skills Sheet  Grade 4 Occupation Cards: University Professor, Doctor, Lawyer, Veterinarian, Veterinary Tech, Food Scientist, Fire Investigator, Optometrist, Economist, Logistic, Engineer, Chemical Technician, Criminal Investigator and Urban and Regional Planner [will need occupation cards to answer the worksheet]  Holland Guide Poster  Galaxy Guide to Training and Education | | | | |
| Reflection—Did the students learn the content outlined in the lesson focus? How do you know they did or did not learn? | | | | |
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