Name:

EXPLORING SPACE

Key to STEM Interest Badge

□ Read about Roberta Bondar, the first Canadian woman in space. You can go to the library to find a book, or read about her on the internet.

After you have read about Roberta Bondar, circle the answers to these questions:

How old was Roberta when she knew she wanted to be an astronaut?

- a) 8 years old
- b) 18 years old
- c) 28 years old
- d) 38 years old

What year was Roberta born in?

- a) 1998
- b) 1910
- c) 1945
- d) 1966

Is Roberta still alive?

- a) yes
- b) no

There are lots of pictures which show Roberta in her spacesuit. What colour is her spacesuit?

- a) orange
- b) blue
- c) white
- d) black

What was the name of the spaceship that she travelled on?

- a) Space Shuttle Wonder
- b) Space Shuttle Discovery
- c) Space Shuttle Planets
- d) Space Shuttle Atlantis

How many days did she spend in space?

- a) 100
- b) 3
- c) 35
- d) 8

How many space missions did she go on?

- e) 10
- f) 1
- g) 4
- h) 17

Was Roberta Bondar a Girl Guide?

- a) yes
- b) no

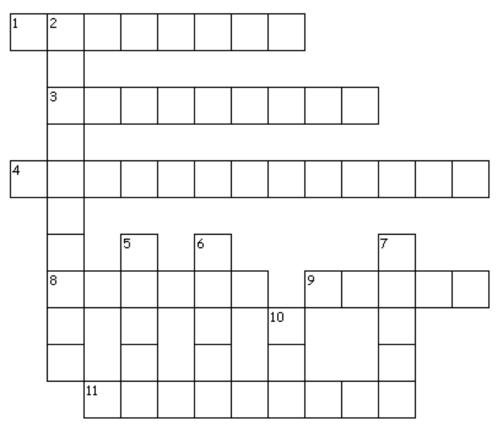
1	Attached are two activity sheets and a colouring page from NASA about the
	International Space station. Complete these sheets to learn about the International
	Space Station. (find the originals at http://www.nasa.gov/centers/johnson/about/resources/jscfacts/activity_coloring_sheets.html)

Name:
Find out about the Canadarm. What did you learn?
Imagine you could go anywhere in space. Where would you go, and why?
□ Act out a space story
(parent signature)
What is a planetarium, and have you ever visited one?
What is an observatory?

Name:	

Space Crossword Puzzle

Use the clues below to fill in this puzzle.



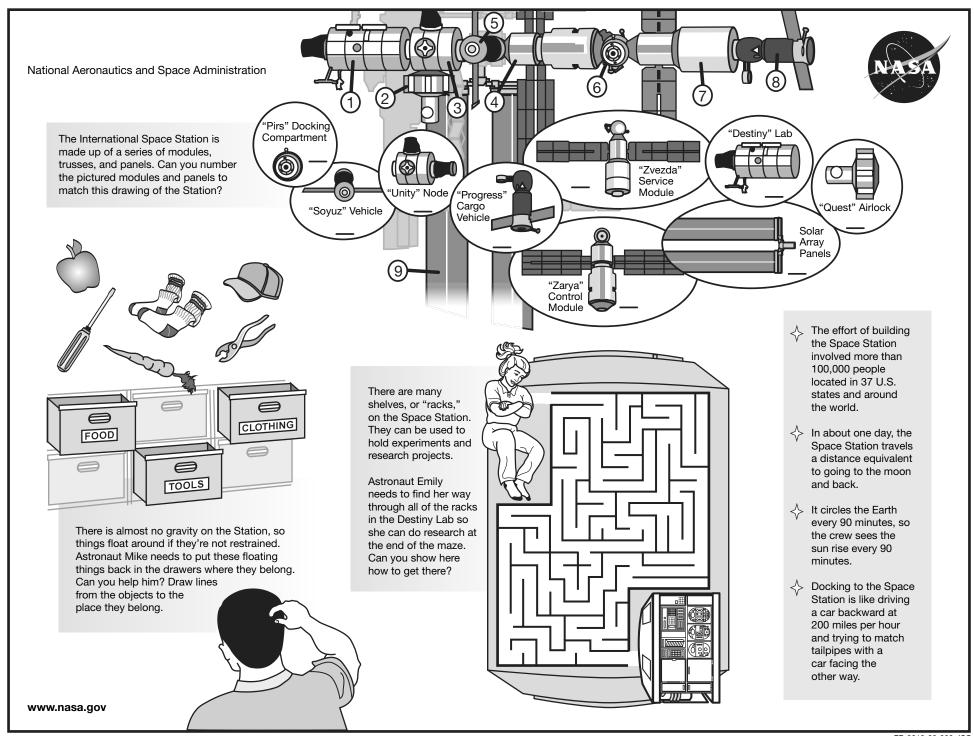
Astronaut
Astronomer
Canadarm
Constellation
Earth
Meteor
Orbit
Solar
Stars
Sun
Telescope

Across

- 1. The robotic arm used on space shuttles.
- 3. Makes far away things appear closer.
- 4. A group of stars that people imagine form a picture.
- 8. A shooting star.
- 9. The planet we live on.
- 11. A person trained to travel in space.

Down

- 2. A person who studies objects in space.
- 5. There are 200 billion of these in our galaxy.
- 6. Something that has to do with the sun.
- 7. The path followed by an object in space as it moves around another object.
- 10. The star that the planets orbit around.



National Aeronautics and Space Administration

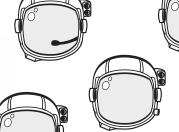
27 • • 29

28 •

Connect the dots to draw a Soyuz rocket! This Russian rocket is one vehicle used to carry supplies, parts, and crew members to the International Space Station. An astronaut from Russia is called a "cosmonaut."



Astronaut Carlos must find his own space suit helmet so he can go on a spacewalk. He knows his helmet is unique. Can you find the helmet that isn't like any of the other helmets?



ARRAYS ORBIT UNITY ASTRONAUT QUEST USA CORE **ROBOT** VISION **DOCK** RUSSIAN ZARYA **SOLAR ZVEZDA** EVA LAB **STATION** NODE **TRUSS**

ARRAYSEVAR

STATIONILQ

TRUSSLUSAZ

RUSSIANIBV

ORBITRROTE

NDOCKXONSZ

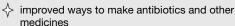
AEROCEBOED

UNITYVODUA

TAYRAZTEQM

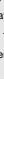
to astronauts and cosmonauts who are conducting scientific research to help improve life on Earth and give us the knowledge needed to step further into space. This research can be done nowhere else. Scientists are learning about:

The International Space Station is a home in space



- changes in Earth's climate, vegetation, and crops
- how the human body works
- ♦ better ways to recycle and purify water and air
- \diamondsuit new ways to communicate
- \diamondsuit the uniqueness of space

This is a Soyuz vehicle from the International Space Station. Try to find the Station-related words in the puzzle.



The International Space Station is huge! Its living space is larger than a five-bedroom house, and it weighs almost one million pounds - more than 330 cars put together!



www.nasa.gov

