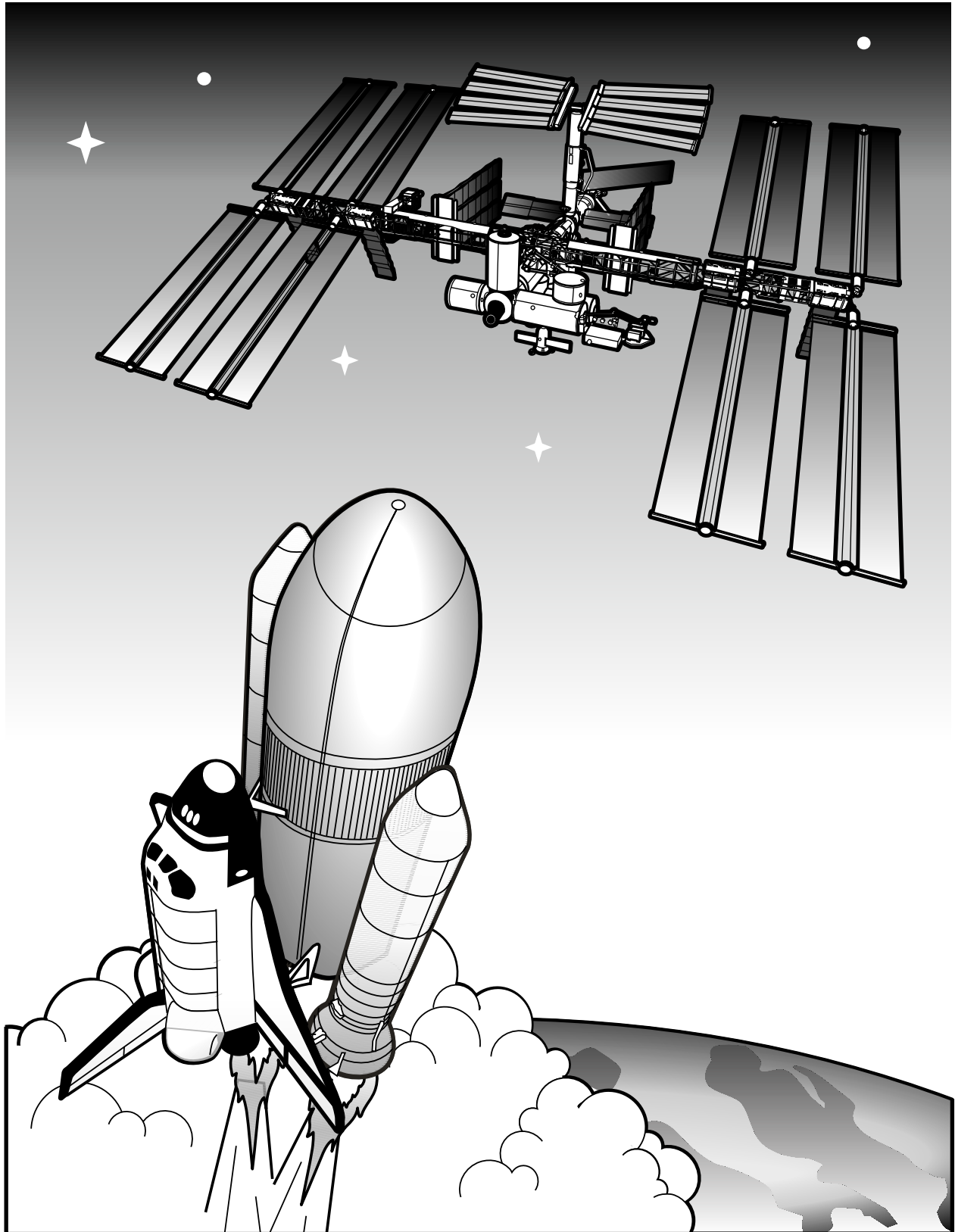
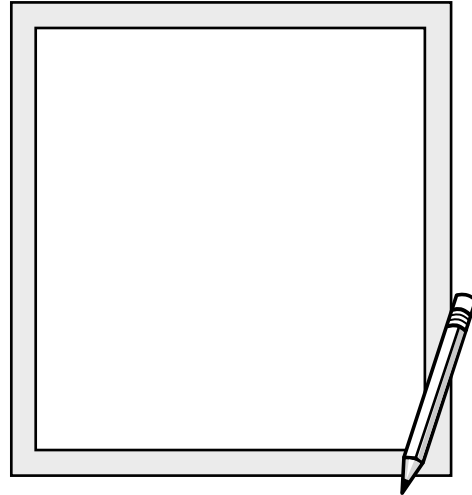


# Space Activity Book



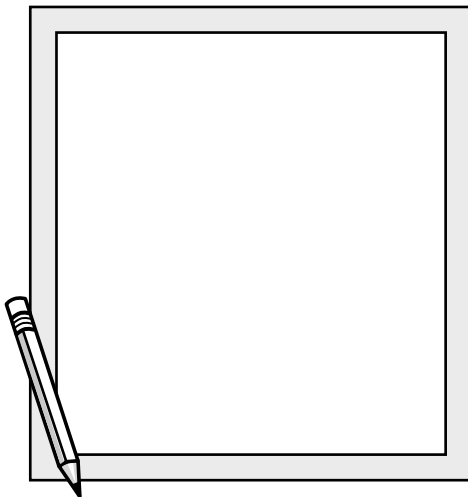
**This book belongs to \_\_\_\_\_**

**Draw a picture of yourself.**



**This is me now:**

**Draw a picture of yourself.**



**Date: \_\_\_\_\_**

**This is me grown up.**

**I am a/an:**

\_\_\_\_\_

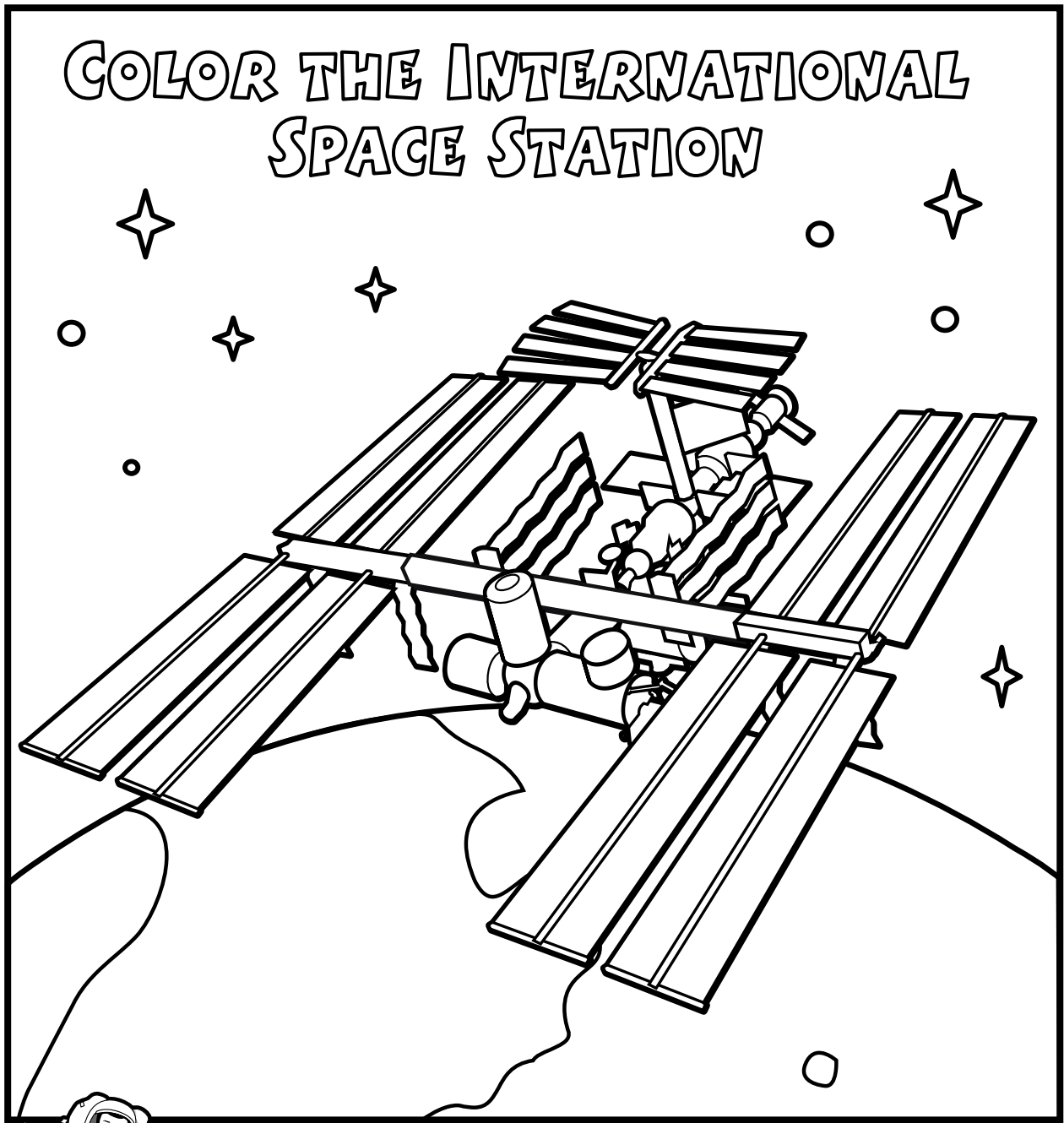
**Date: \_\_\_\_\_**

**Enjoy more space exploration and fun online  
by visiting**

**<http://www.nasakids.com/>**

# Let's fly a mission to the International Space Station!

## COLOR THE INTERNATIONAL SPACE STATION



More than 100 explorers to date have lived and worked on board the International Space Station, which orbits 240 miles above the Earth at a speed of 17,500 mph.

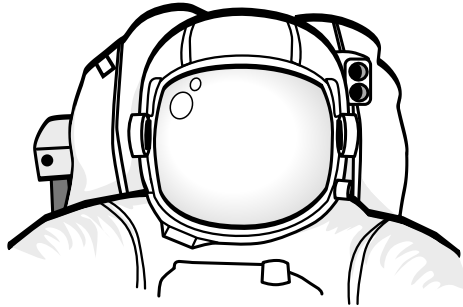
To learn about living and working in space, visit:

<http://edspace.nasa.gov/livespace/livespace.html>



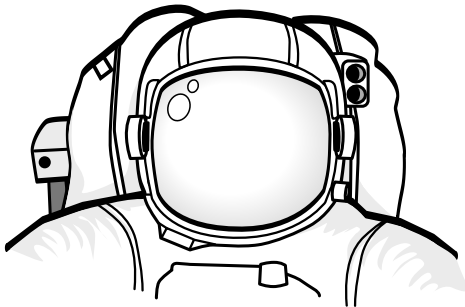
# Name your Shuttle crew for the mission

Draw their pictures in the helmets  
and give them names.



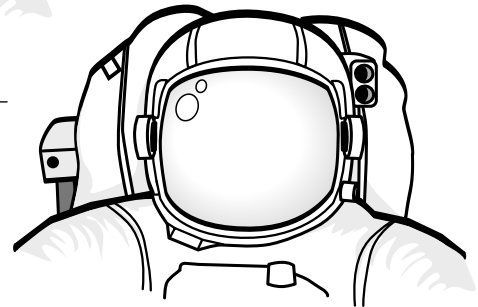
---

**Pilot**



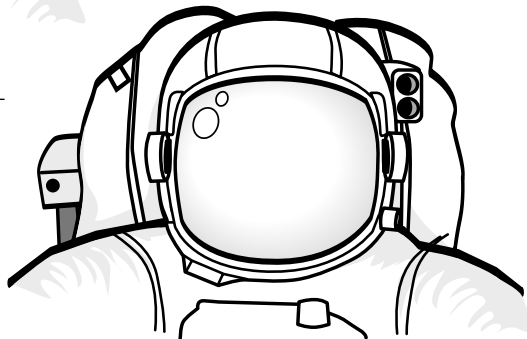
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**Mission  
Specialist**



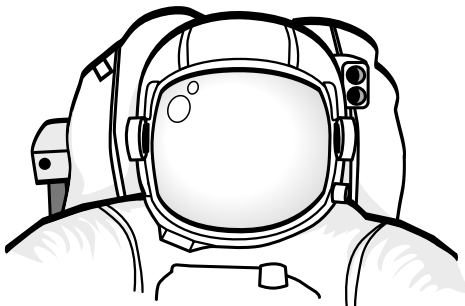
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**Mission  
Specialist**



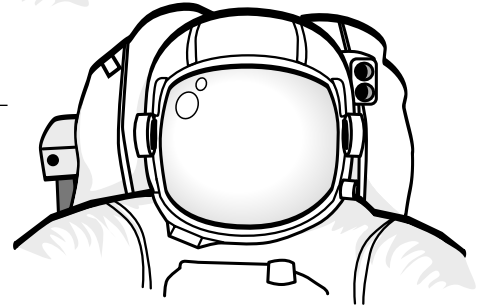
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**Commander**



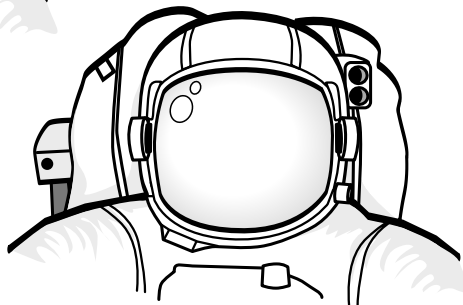
---

**Payload  
Specialist**



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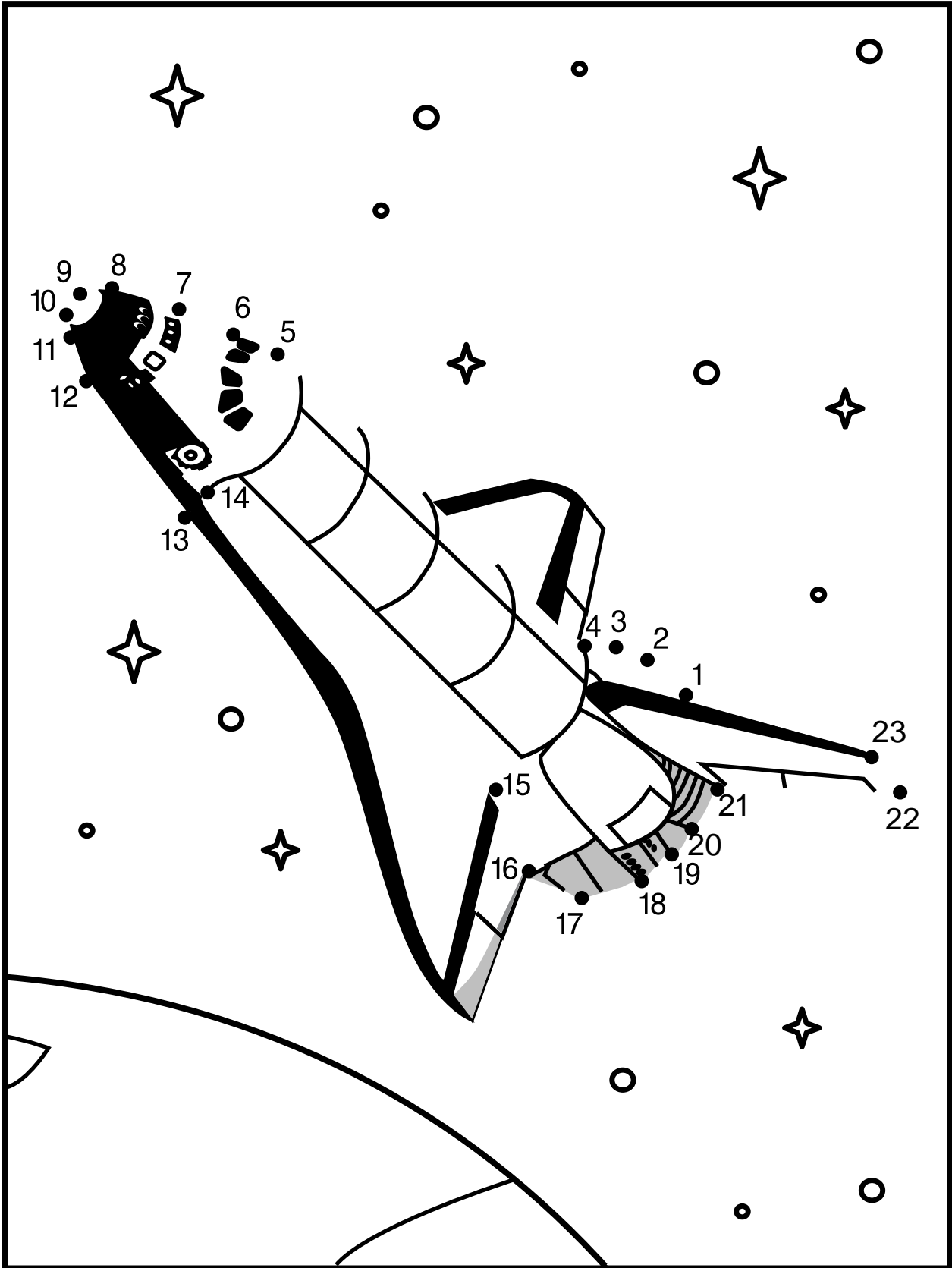
**Payload  
Specialist**



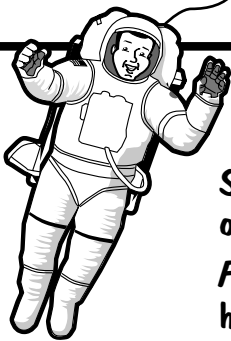
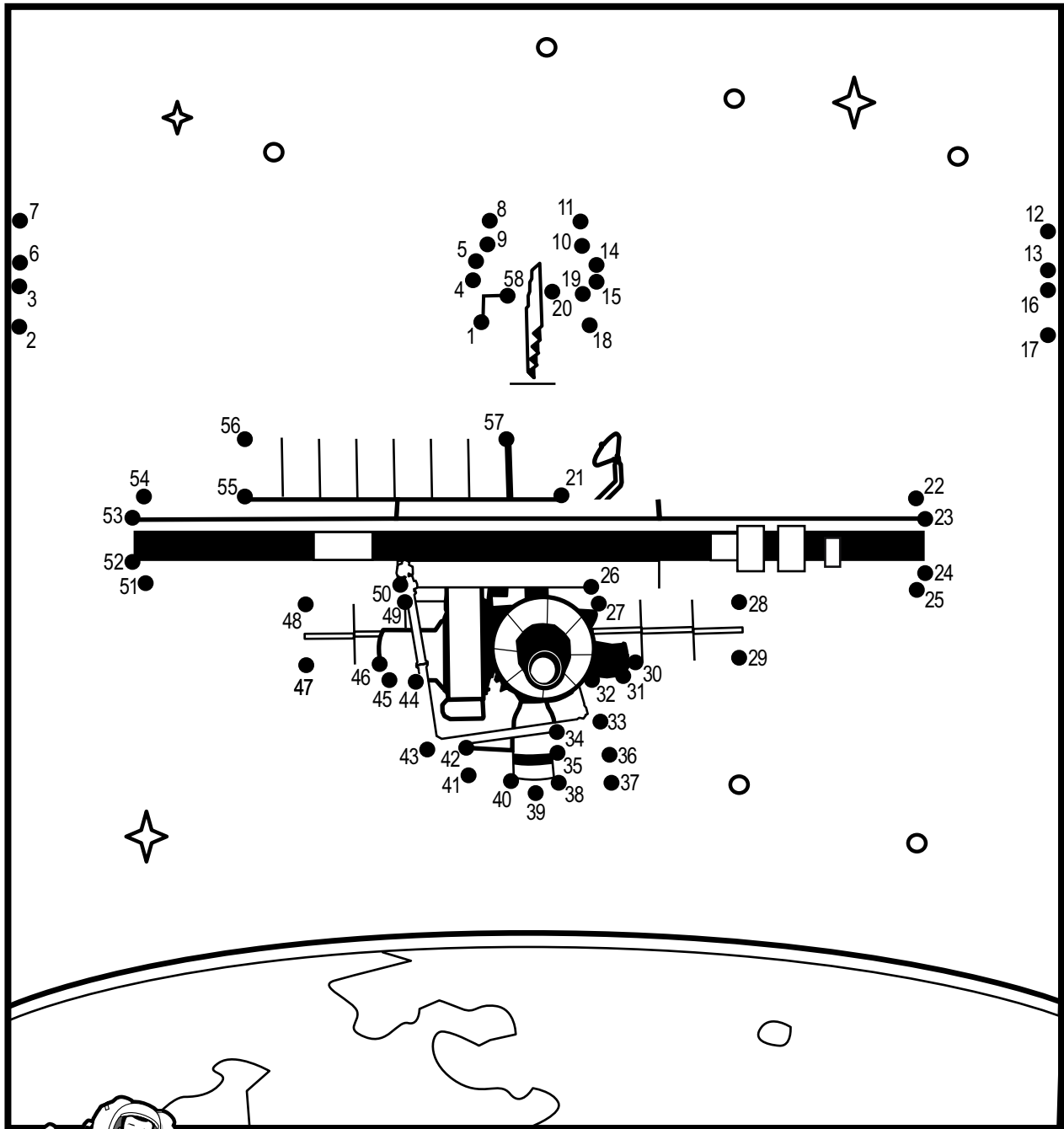
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**Mission Specialist**

# Connect the dots on the Shuttle



# Connect the dots on the International Space Station

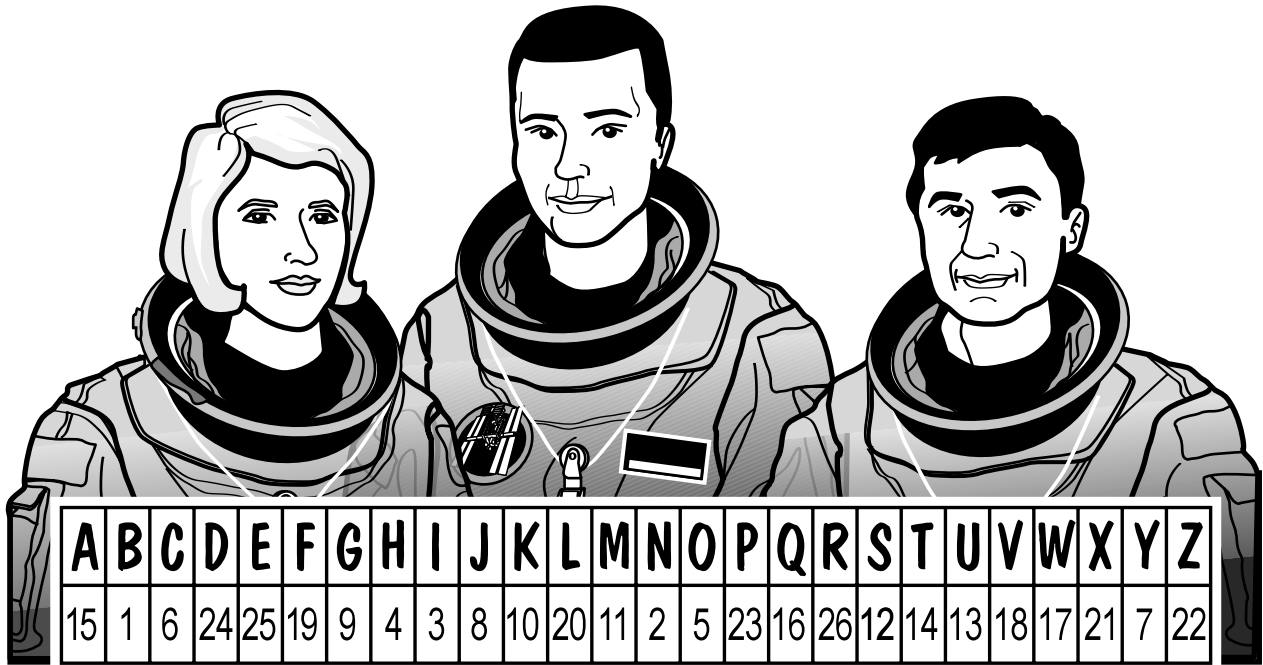


People have been living and working on board the International Space Station since November 2000. How many people are living on the International Space Station right now?

Find the answer to this question and more at <http://spaceflight.nasa.gov>



# International Space Station Cryptogram



14 4 25    6 26 25 17    5 19    14 4 25

3 2 14 25 26 2 15 14 3 5 2 15 20    12 23 15 6 25

12 14 15 14 3 5 2    4 5 23 25 12    7 5 13    15 26 25

4 15 18 3 2 9    15    9 5 5 24    24 15 7 •

Solution on page 11

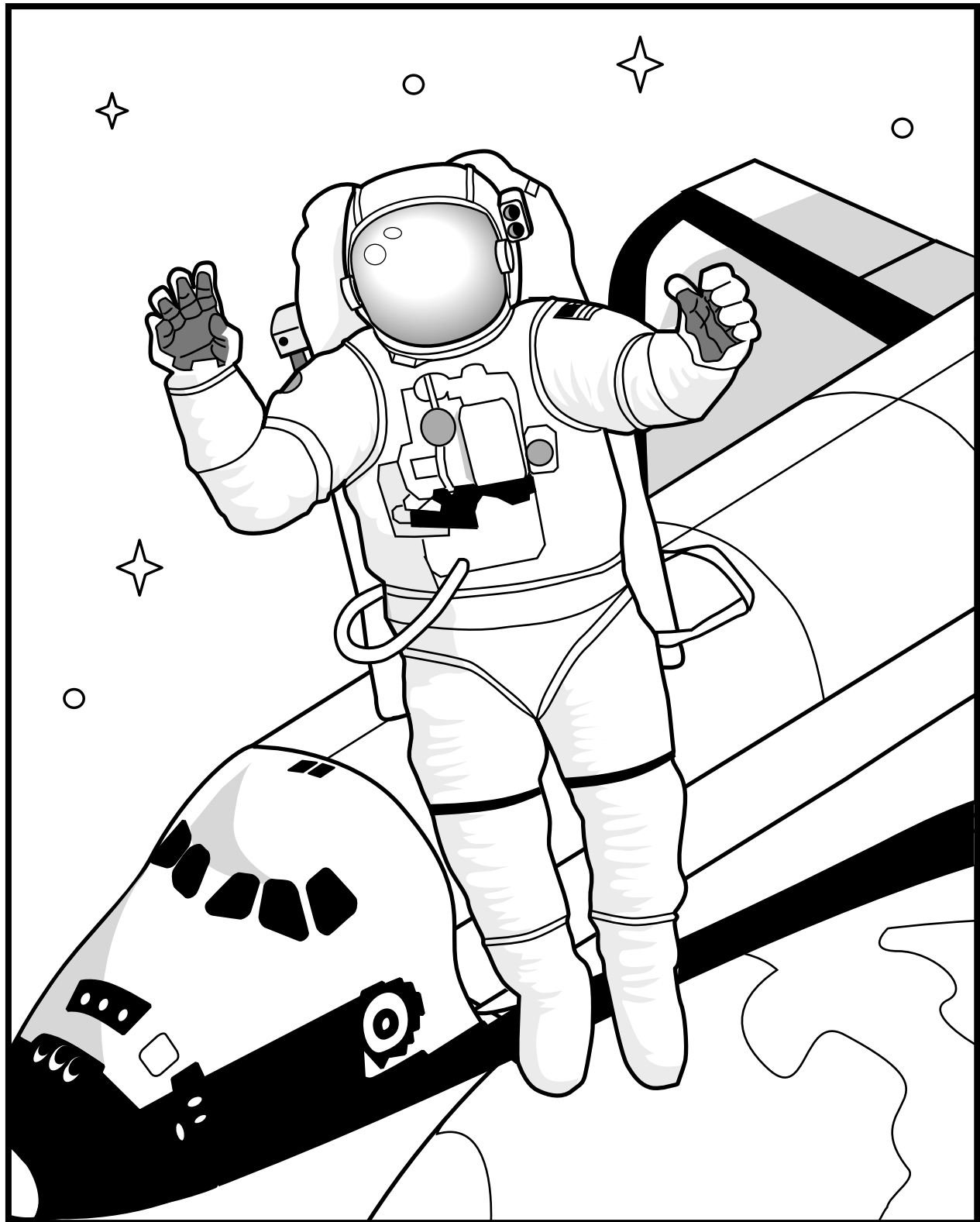


You can see the International Space Station in the night sky.  
When is the International Space Station flying over your house?

Find the answer to this question and more at  
<http://www.jsc.nasa.gov/iss sightings/>



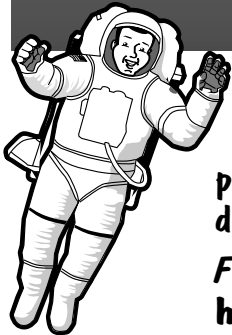
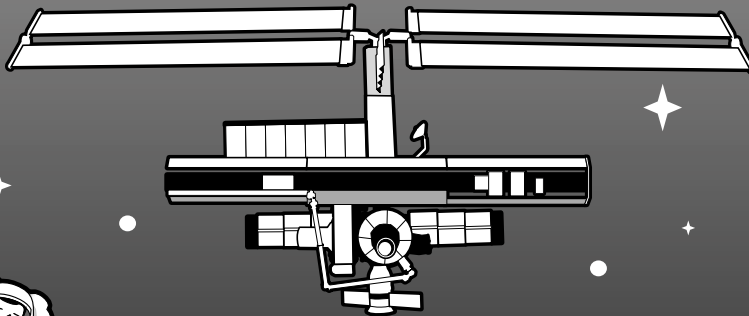
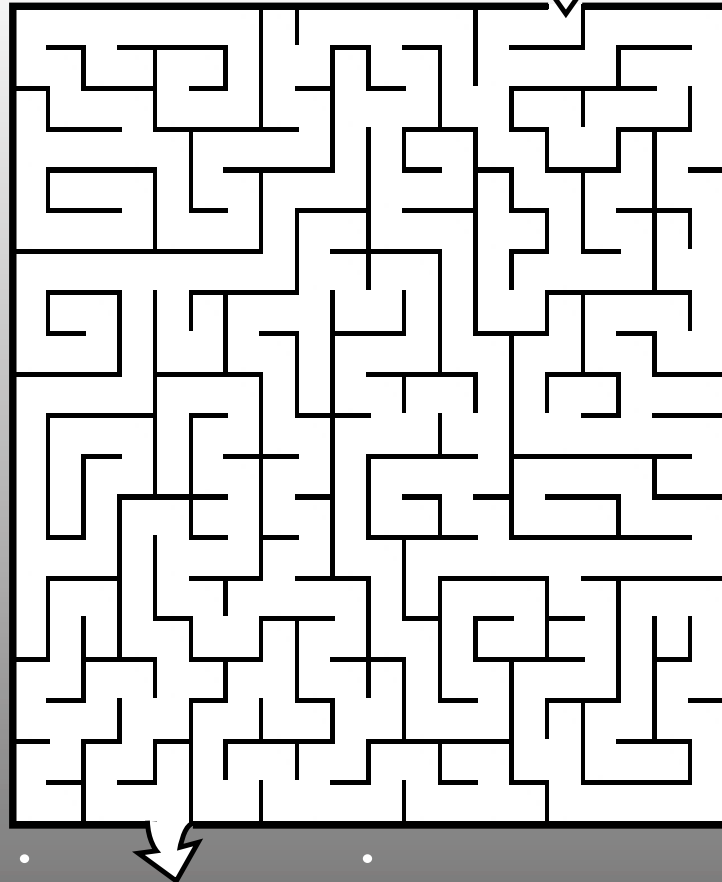
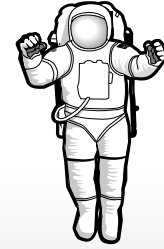
# Color the astronaut performing a spacewalk





# A-MAZE-ING!

Help the astronaut safely  
return to the Space Station!



Solution on page 11

Astronauts are already doing experiments in space that may help people here on Earth. What kinds of science experiments are they doing on the International Space Station this week?

Find the answer to this question and more at  
<http://spaceresearch.nasa.gov/>

# International Space Station Word Search

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

ASTRONAUT  
BELGIUM  
BRAZIL  
CANADA  
COSMONAUT  
DENMARK  
DESTINY  
FRANCE

GERMANY  
ITALY  
JAPAN  
NASA  
NETHERLANDS  
NORWAY  
RUSSIA  
SPAIN

SWEDEN  
SWITZERLAND  
UNITED KINGDOM  
UNITY  
USA  
ZARYA  
ZVEZDA



# Back on Earth Hidden Pictures

Find these items that use  
**NASA technology:**

polarized sun glasses

bicycle helmet

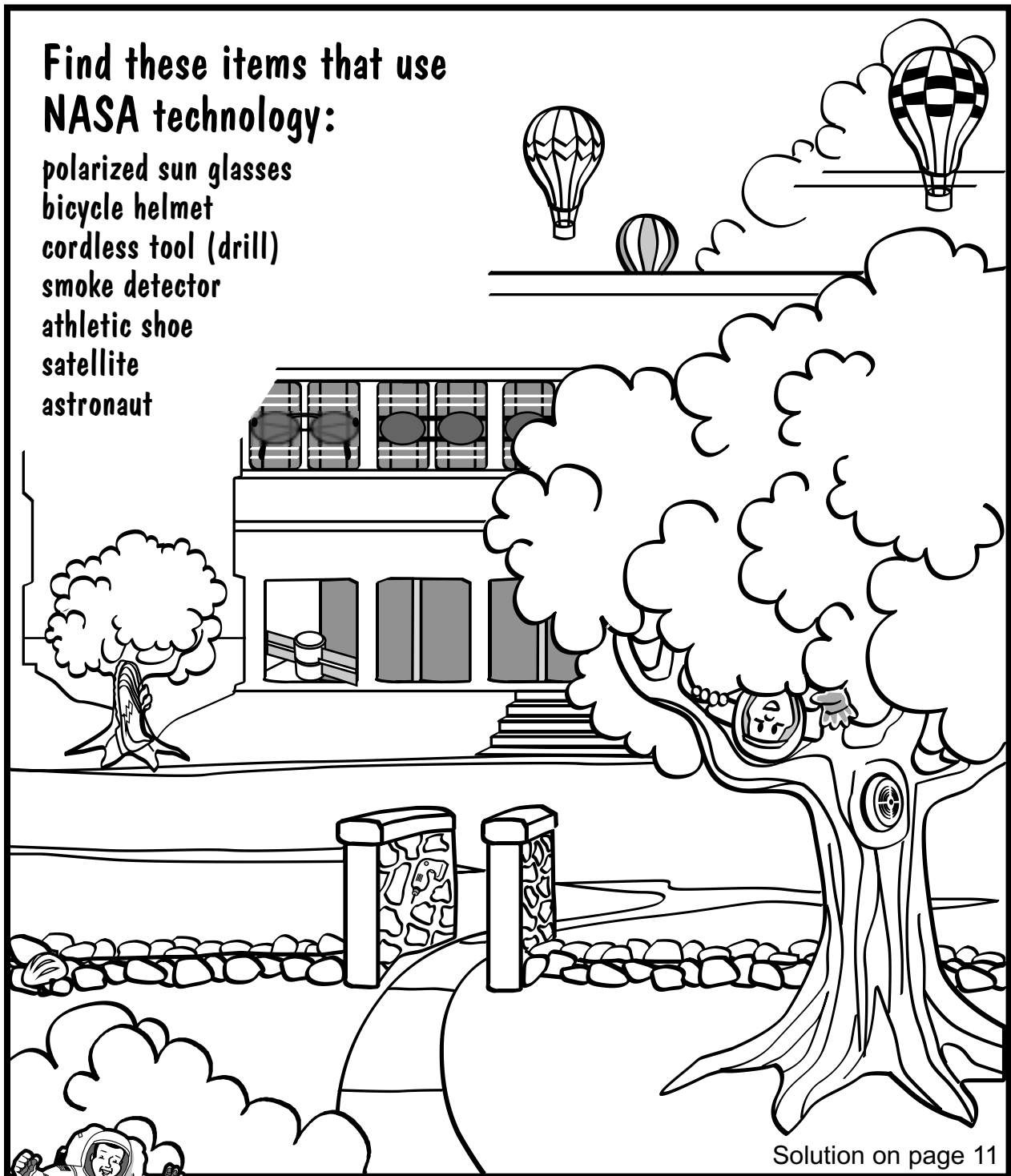
cordless tool (drill)

smoke detector

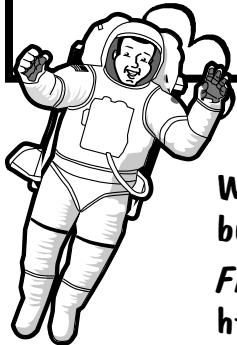
athletic shoe

satellite

astronaut



Solution on page 11



People with many different backgrounds work in the space program. What kinds of subjects do you have to study to be an engineer who builds space shuttles and space modules like the Space Station?

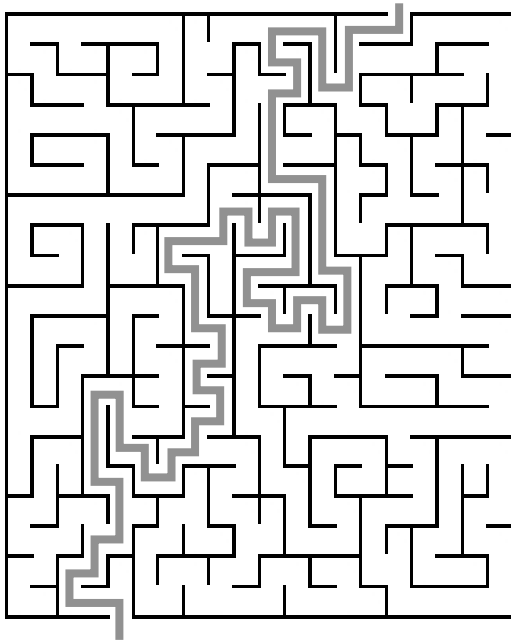
Find the answer to this question and more at  
<http://spaceflight.nasa.gov>

# Color the portrait of the Atlantis Space Shuttle crew



# Puzzle Solutions

Maze Solution:



Word Search Solution:



Cryptogram Solution:

The Crew of the International Space Station hopes you are having a good day.

Hidden Pictures Solution:

The polarized sun glasses are in the second-floor windows of the building.

The bicycle helmet is in the rocks lining the stream, on the left of the picture.

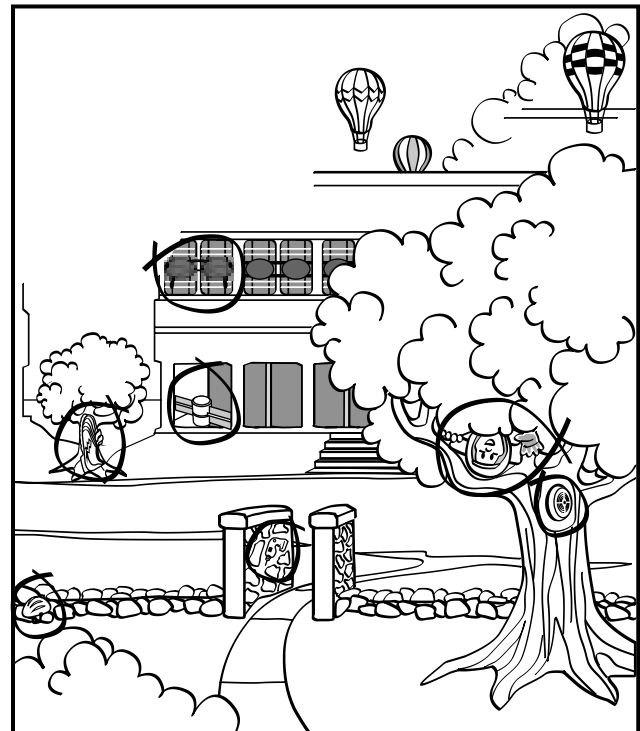
The cordless tool is in the stones on the handrail of the path over the stream.

The smoke detector is in the trunk of the large tree.

The athletic shoe is in the trunk of the small tree.

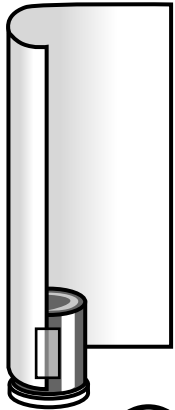
The satellite is on the first floor of the building.

The astronaut is waving from the leaves of the large tree.



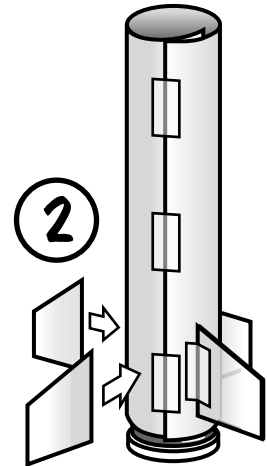
# Build a rocket that you can really launch!

You'll need a few sheets of sturdy paper, scissors, some tape, an empty film canister, an effervescent tablet (cut in half), an outdoor surface to launch from, and eye protection.



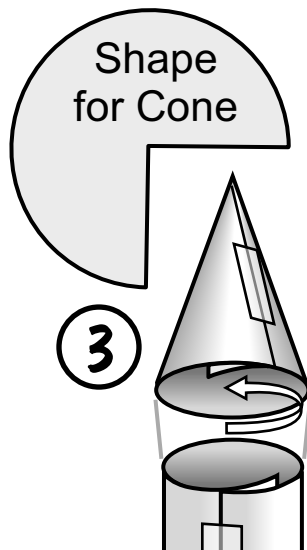
1

1. Set the film canister on the table, lid end down. Tape a tube of paper around the film canister. This will be your rocket.



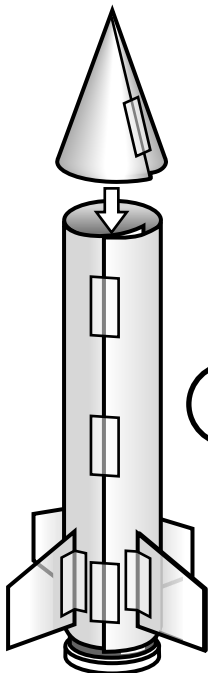
2

2. Cut out four fins for your rocket and tape them on.



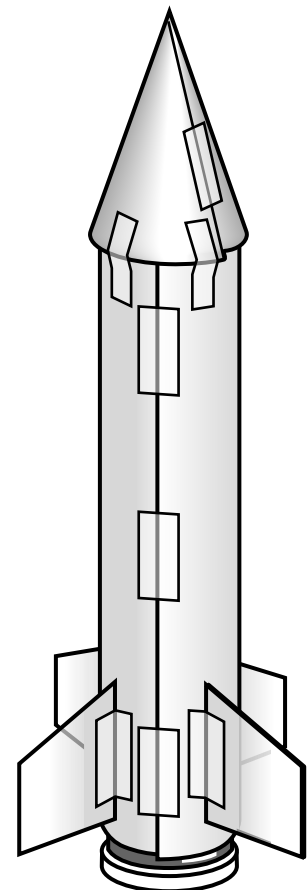
3

3. Cut out a piece of paper for the cone. Roll it together as shown, with the large end slightly bigger than the top of your rocket.



4

4. Tape the cone onto your rocket. You're ready to launch!



# 3-2-1-Liftoff!

1. Put on your eye protection.
2. Turn the rocket upside down and carefully fill the canister one-third full of water.

## Work quickly on the next steps!

3. Drop in 1/2 of the effervescent tablet.
4. Snap the lid on tight.
5. Stand the rocket on the launch platform.
6. Stand back and watch the launch!

## Things to think about:

What will you name your rocket?

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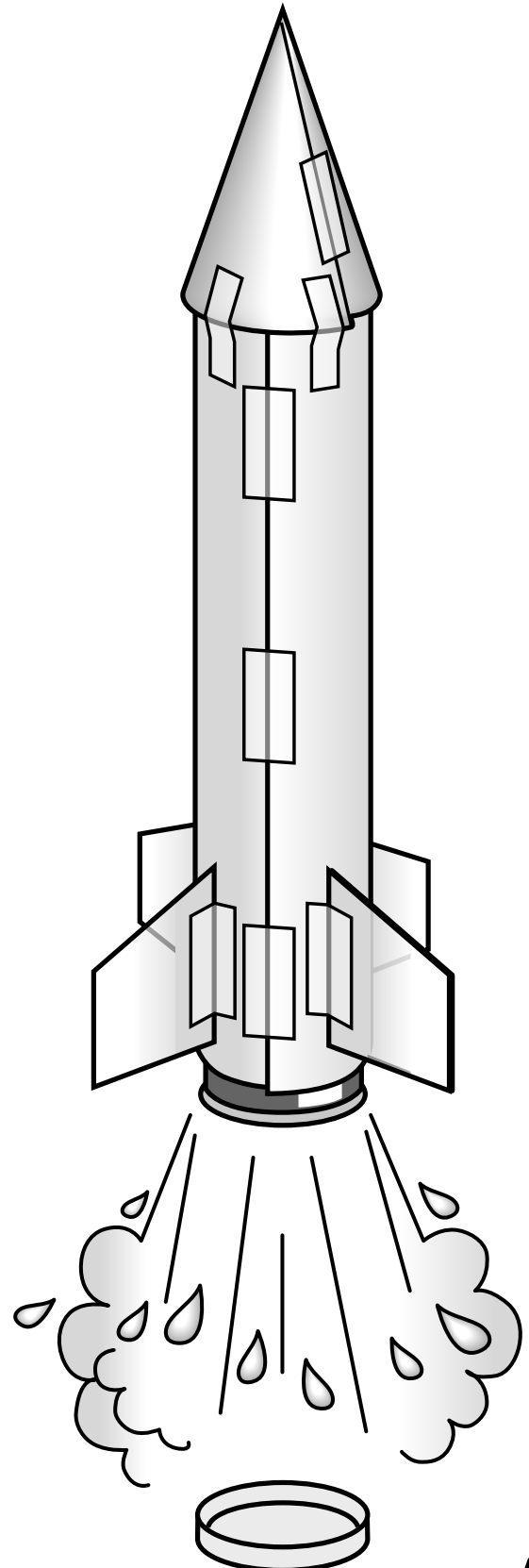
Where would you send it?

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What would you carry on it?

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NP-2004-02-015-JSC