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Living in Space: International Space Station

WHO

In 1984, the United States invited countries around the world to build an international space station. Now, with the participation of 18 countries, it has truly become a global cooperation project.

The flags below represent the 18 countries participating in the International Space Station project. Unscramble the letters to discover the name of each country.

 SIRUAS	 YITLA
 DACNAA	 ASPIN
 PANAJ	 DANSHERNETL
 ZIBLAR	 DEWSNE
 GUBLIME	 OTSUH AKREO
 MADRENK	 ZKSAKAAHTNS
 RAFENC	 SUTHO FIACAR
 ERNYMAG	 TIEDNU GIDKNMO
 LSAMIAYA	 DETNUI TESTSA

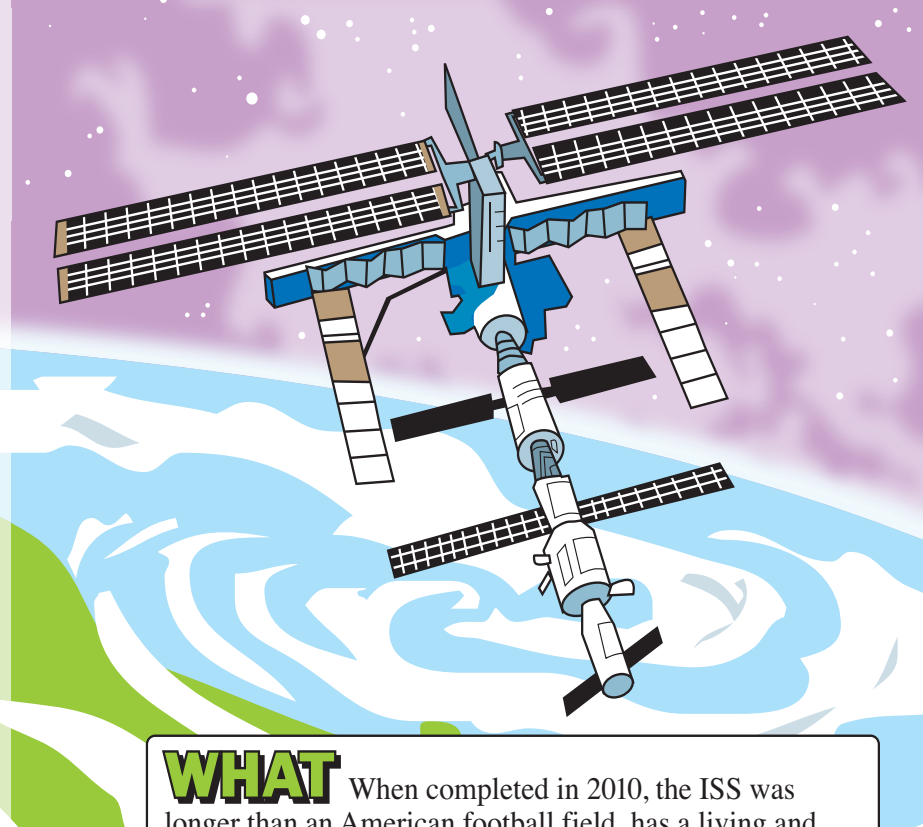
WHAT

When completed in 2010, the ISS was longer than an American football field, has a living and working space the size of a 747 jumbo-jet, and is able to house up to seven astronauts.

How does it get electricity? Hold this sentence up to a mirror:

!sɹoʇ ʇɹɔ ʇɹɔ ʇɹɔ ʇɹɔ ʇɹɔ ʇɹɔ ʇɹɔ

Standards Link: Spelling: Spell grade-level appropriate words correctly. Economics: Students understand the effect that increasing international interdependence may have on countries.





Book Scoop

Use the Kid Scoop Secret Decoder Ring to discover the name of this book by Susan E. Goodman, illustrated by Michael Slack, which is available at the library.



KID SCOOP SECRET DECODER RING

Want to blast into orbit? Walk on the moon? Snag a personal photo of a shooting star? Well your time is coming! And when it does, you're going to need this book. Grounded in the history of space travel and the planned future of space tourism, this guide book will start you daydreaming about space vacations!

To discover the name of this book, find the letter on the outer ring, then replace it with the letter below it on the inner ring.

C H I W H

N H M Y M G L

B F K L P O T

WHEN

When did the United States invite other countries to join in the building of the ISS? _____

When was it completed? _____

The answers can be found on this page.

WHY

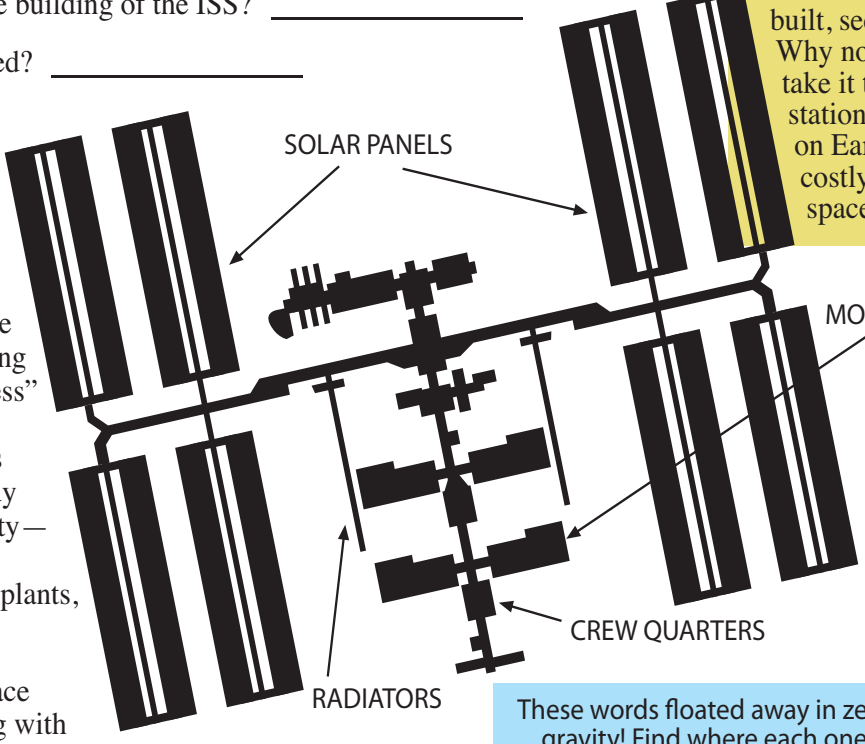
The space station _____ humans to live and _____ for long periods in a “weightless” _____. The space station provides an opportunity to study a world without gravity—and better understand gravity’s _____ on plants, animals, and humans.

Lessons from past space travel show that living with little or no gravity _____ bones and muscles. The space station allows scientists to understand these effects and find _____ for long-term space travel.

Standards Link: Science: Know ways in which technology has increased our understanding of the universe.

WHERE

The ISS was built, section by section, *in space*. Why not build it on earth and then take it to space? The completed station weighs a million pounds on Earth—too difficult and costly to attempt to take into space in one flight.



SOLAR PANELS

RADIATORS

CREW QUARTERS

THE ISS IS BUILT IN MODULES, OR SEGMENTS

These words floated away in zero gravity! Find where each one belongs.

STUDY **WEAKENS** **SOLUTIONS** **ALLOWS** **EFFECTS** **ENVIRONMENT**

Astronaut Ad

Write a Help Wanted Ad to find people who want to be astronauts on the ISS. Use the Help Wanted ads in the print or e-edition of your newspaper as examples.

Standards Link: Writing Applications: Write brief expository descriptions.

What a Character!

Curiosity is ...



This page was fun! I wonder what books the library might have about space?

... wondering about and exploring our world and beyond.

Kid Scoo-doku™

Complete the grid by using all the letters in the word **SPACE** in each vertical and horizontal row. Each letter should only be used once in each row. Some spaces have been filled in for you.

		S		
S	P	A	C	E
			S	
C				

Kid Scoop VOCABULARY BUILDERS

This week's word: **INTERNATIONAL**

The adjective **international** means what happens between two or more countries.

The **International** Space Station has been visited by astronauts from 18 countries.

Try to use the word **international** in a sentence today when talking with your friends and family.

Kid Scoop Puzzler

Space Milestones

In which year did each of these events happen? Do the math to find out!

Astronaut Neil Armstrong walks on the moon.

1 9 _____
(21 X 3) + 6

U.S. sends four monkeys into the stratosphere.

1 9 _____
(25 X 2) + 1

U.S.S.R. launches Sputnik 1 satellite into space.

1 9 _____
(25 X 2) + 7

John Glenn becomes first American to orbit the earth.

1 9 _____
(15 X 4) + 2

Standards Link: Number Sense: Use multiplication and addition to solve problems.

Double Double Word Search

Find the words in the puzzle. How many of them can you find on this page?

ASTRONAUTS
SPACE
STATION
GRAVITY
GLOBAL
INVITE
SOLAR
WEAKENS
WEIGH
FLAGS
LONG
EARTH
NEIL
JET

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

Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

FROM THE Kid Scoop LESSON LIBRARY

Average Age

Find 10 ages mentioned in the news. (For example: *Senator Smith, age 54*) Add them. Find the average age by dividing the total by 10. **Challenge:** Find the **mean** and the **mode**.

Standards Link: Data Analysis: Find the average, mean and mode.

What kind of songs do planets like to sing?



ANSWER: Nep-tunes.

Write On! Explorer's Journal

Pretend you are exploring a country you have never visited. Where would you go? Write a journal entry.

summer reading



The 2019 Summer Reading Series

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