

Video Transcript

Name: _____

Date: _____

A lot goes into getting ready for the moon, but some of it's similar to how you might get ready for a soccer game or a concert. Astronauts practice. To practice, astronauts need some place on Earth that's like the moon, someplace with no air to breathe, where their bodies will be weightless and floaty. Can you think of a place like that?

Well, here's one of my favorite places. Exploring underwater makes me feel like an astronaut. Maybe you've had the same floaty experience. It turns out real astronauts practice underwater too.

Here's astronaut Jessica Watkins in her spacesuit. On land, it's heavy, but underwater, it feels weightless. She can practice moving and breathing in her suit the way it would feel on the moon.

And check this out, it's a training station in the ocean. This is where Jessica Watkins and her crewmates lived for over a week underwater. There's not much room inside. Everyone has to work together to stay safe and get jobs done. It's a lot like being in space. That's why practicing teamwork skills is an important part of how astronauts get ready.

Now look at this. It's another place astronauts go to practice for the moon. Doesn't it look like another planet? But it's a desert in the US state of Arizona. Here, astronauts get ready for what it will be like doing different jobs on the moon. They often practice at night and shine lights that create confusing shadows to make it look even more like the moon.

Jobs that seem simple, like collecting rocks, need step-by-step planning and special tools. I mean, watch this. This is a real video of an astronaut on the moon in 1972. He's trying to use a hammer, but it's hard to hang onto.

He accidentally dropped it. And do you see the problem? Now he can't pick it up because the spacesuit doesn't bend. To plan ahead for problems like this, astronauts work with scientists and engineers to test out tools being created for the moon.

They try everything from a scoop for collecting rocks, to a vehicle that could be the astronauts' home as they explore the moon on future trips. Astronauts spent a week living in a test vehicle. It mostly worked well, except the toilet system got seriously smelly.

But that's what practice is for. It's much better to fail on Earth than on the moon.

The team can fix and improve things here and not 240,000 miles away from home. When it's finally time to head into space, Jessica Watkins and her fellow astronauts will be ready. All that practice will help them accomplish big things. They plan to travel farther into space than any humans have gone before to visit an unexplored part of the moon.

mystery

Informative | Travel to Seoul

Ready for the Moon

Name: _____

Date: _____

How do astronauts get ready to go to the moon? It turns out, they practice right here on Earth! Watch to learn where astronauts go to practice, and how these special places help them get ready for the moon.

Directions:

- 1) Watch the video to learn how astronauts practice.
- 2) Watch the video again and take notes in the notes organizer below. Gather information on why astronauts practice underwater and in the desert.
- 3) If you missed any parts of the video, you can use the video transcript to find what you missed and add it to your notes.

Astronauts practice...

underwater

in the desert

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Ready for the Moon

Name: _____

Date: _____

Astronauts do a lot to practice before going to the moon. They practice different things underwater and in the desert.

Directions: Write an informative text about **two places** where astronauts practice to get ready for the moon. Include why each place helps them get ready.

In your writing remember to:

- ☐ Write an introduction
 - ☐ Get your reader excited to read more
 - ☐ Tell what the rest of the text will be about
- ☐ Organize your writing into paragraphs
- ☐ Add lots of details
- ☐ Include a picture and caption
- ☐ Edit your writing

Ready for the Moon

Name: _____

Date: _____

Picture
<div></div>
Caption
<div></div>

If you need more space, continue on a piece of lined paper.

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4th Grade Informative Writing Rubric

Travel to Seoul

Name: _____

Date: _____

Standard	1	2	3	4	Feedback
W.4.2, W.4.7, W.4.8 Brainstorm and plan what the writing will be about.					
W.4.2.a Write an introduction that gets the reader excited to read more and tells what the rest of the text will be about.					
W.4.2.a Organize related information into paragraphs.					
W.4.2.b Write sentences that develop the topic with facts, definitions and concrete details.					
W.4.2.e Write a conclusion that relates to the information presented					
W.4.4, W.4.5 Review work to edit and focus on fixing punctuation, capitalization and spelling.					




1 = standard not met; 2 = standard partially met; 3 = standard met; 4 = exceeds expectations

My Informative Writing Checklist

Travel to Seoul

Name: _____

Date: _____

Writing Process	Learning Goals	Not yet 	Starting to... 	Yes! 
Planning	I can brainstorm ideas and take notes to use in my writing.			
Add an introduction	I can write an introduction that gets the reader excited and tells what the rest of the writing will be about.			
Write and organize	I can use my notes to write paragraphs. Each paragraph is mostly about one thing.			
Add more details	I can add more information to my topic and explain some details.			
Add a conclusion	I can include a conclusion that relates to my topic.			
Fix capitals, spelling, and end marks	I can edit my writing by checking for errors in capitalization, spelling, and punctuation (end marks).			

Word Bank

Seoul

Name: _____ Date: _____

V.I.P.

Lotte World



theme park



rides



ice skating
rink



roller
coaster



video games
arcade games

Sky Dome



arena



concert



performer



light stick



dance

Lantern Festival



festival



lantern



parade



street food



glow

Sentence starters

One thing _____

Another thing _____

Also, _____

While you are there, _____

_____ and _____

_____ which _____

_____ such as _____

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Destinations

Name: _____

Date: _____

VIP:



Take notes on three cool things to do in Seoul, South Korea in the spaces below.

After you've learned about a place, you can give it a star rating.

Rate it! ★★★★★

Rate it! 

Rate it! ★★★★★

Write on the back of this page if you need more space.

Mystery

Informative | Travel to Seoul

Seoul Facts

Name: _____

Date: _____

V.I.P.

Find facts that match your topics. Add those facts to your notes.

Seoul Lantern Festival is two weeks long and features over 30,000 lanterns.

Most popular ride at **Lotte World**: Atlantis.

- It's a roller coaster
- Top speed: 45 mph

The **Sky Dome** has high-tech speakers and lights. Concerts can be very loud. The lights make the whole stadium glow.

Ice skates are available to rent at the **Lotte World Ice Rink**. If you're a beginner, you can use a skate aid. The skate aid looks like a penguin and can help you not fall down.



Some of the **Sky Dome** past performers.

BTS	Katy Perry
Arianna Grande	Billie Eilish

How to use your lightstick at the **Sky Dome** :

Bring your lightstick to the concert fully charged.

Use your lightstick app on your phone to enter your seat number.

Enjoy the concert and wave your lightstick! Lighting designers will program your lightstick to pulse with the music or make a wave with the rest of the crowd.



Some lanterns at **Seoul's Lantern Festival** are huge. In 2022, a rabbit lantern was nearly 40 ft tall.

MAKE YOUR OWN

- Made out of special paper called hanji
- LED light inside makes it glow



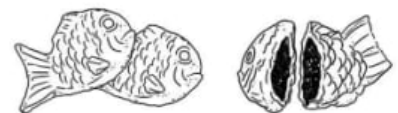
Lotte World:

- Over 40 rides
- Over 40 restaurants with food from all over the world

Lotte World has three video game arcades with tons of sports and racing games.

Lantern Festival popular street food:

- Korean bacon
- Candy in the shape of animals
- Fish-shaped pastries



Concerts can hold up to 25,000 people at the **Sky Dome**.

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① Web Page Draft

Name: _____

Date: _____

V.I.P.



... https /// SEARCH



Title:



Write on the back of this page if you need more space.

mystery

Informative | Travel to Seoul



Date: _____



mystery

DocSet ID: 26748

Introduction

Name: _____

Date: _____



Take notes on what visitors will see and hear in Seoul.

Things to see:

Things to hear:



Staple



Author: _____

Introduction:



mystery

Informative | Travel to Seoul

Conclusion

Name: _____

Date: _____

V.I.P.



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SEOUL, SOUTH KOREA



Write on the back of this page if you need more space.

mystery

Informative | Travel to Seoul

Web Page

Name: _____

Date: _____

A stylized illustration of a web browser window. The browser's address bar at the top shows a search icon, a back arrow, a forward arrow, a home icon, a refresh icon, and a search bar containing the text "... https /// SEARCH". To the right of the search bar are icons for a star (bookmarks), a document (tabs), and a vertical ellipsis (menu). The browser window is divided into two main sections. On the left is a sidebar with a rounded rectangular header labeled "Title:". Below this header are several horizontal lines, suggesting a list of items. A mouse cursor is positioned over the "Title:" header. On the right is a larger main content area, also with a rounded rectangular header. Below this header are three horizontal lines, suggesting a list of items. A vertical scrollbar is located on the far right of the main content area. The entire illustration is rendered in a clean, minimalist style with light gray and white tones.

Write on the back of this page if you need more space.

mystery

Informative | Travel to Seoul

2

Date: _____

Title:

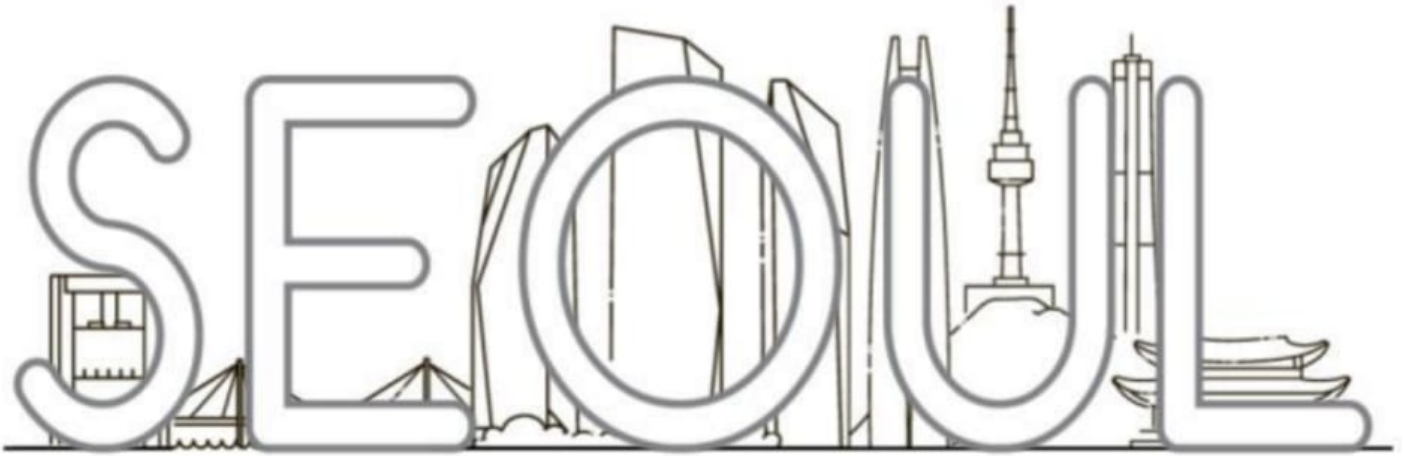
mystery

DocSet ID: 26761

Introduction

Name: Type Here

Date: Type Here



Author: Type Here

Introduction:



Type Here

Web Page ①

Name: Type here

Date: Type here

The image shows a wireframe of a web browser interface. At the top, there is a browser window with a tab containing a close button (X). Below the tab is a search bar with the text "https /// SEARCH". Underneath the search bar is a title bar with the text "Title: Type here" and a cursor icon. The main content area is a large rectangle with a rounded top and a rounded bottom, containing a large empty box for content and three horizontal lines for a footer. A vertical scrollbar is on the right side.

Write on the back of this page if you need more space.

Mystery

Informative | Travel to Seoul

②

Date: Type here

Write on the back of this page if you need more space.

Mystery

Informative | Travel to Seoul

Conclusion

Name: Type Here

Date: Type Here

V.I.P.

 Type Here

SEOUL, SOUTH KOREA



Write on the back of this page if you need more space.

mystery

Informative | Travel to Seoul

Video Transcript

Name: _____

Date: _____

That's what a lot of people think of when they think of robots. They think of robots as having arms and faces or even talking like humans do. And that's how our idea of a robot might've started out. But did you know that most things we call robots today don't look or act like humans at all? That's because we don't need robots to be human. We need them to be useful.

Like have you ever seen one of these? A robotic vacuum is one of the most popular robots in homes today. It can find dirt, change directions when it runs into objects, and even keep from falling down stairs. Notice, it doesn't look anything like a human. And that's a good thing. It's thin, round shape helps it go under tables and sofas and roll around corners. A robot that looked like a human wouldn't be able to do that very well.

And take a look at these huge robots. They don't talk or have faces, but they do have arms. And that's exactly what they need to help us make cars. Believe it or not, about half of all the robots in the world are in car factories. Robotic arms lift heavy things like engines, weld parts together, and even paint the car when it's finished. And they don't need legs to walk around like C-3PO to do that. No, they're designed to do one thing, help human workers build cars. And they do that really well. At first, a factory was only able to build one car a day. But now, with robots helping, they can build 1000.

When I was a young girl, I met a friend named Jess, who's had quadriplegia since she was one years old. This means, she can't move her legs or arms, and do things you and I find simple, like picking up a toy, or getting a drink from the fridge. She can't even scratch her face if she has an itch. And she's not the only one, there are a lot of kids and grownups that can't do these things.

So I decided to make a robot to help. This is Jeva, Jeva is a robotic arm that can be put on the side of a wheelchair, to help people like Jess pick things up. A person can control Jeva by their head movements to move and grip objects, or even scratch an itch. And that's certainly one way robots are making a difference.

Robots are helping doctors with surgery. They're putting out fires. And rescuing people. They're even helping people explore places they've never been before on earth and on other planets like Mars, where humans haven't been able to visit yet.

The possibilities are endless.

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Informative | Travel to Seoul

Robot helpers

Name: _____

Date: _____

How can robots help people? It turns out, lots of robots can be helpful, but some of them might look different than you'd think. Check out these cool robots that are really useful!

Directions:

- 1) Watch the video to learn how different kinds of robots help people.
- 2) Watch the video again and take notes in the notes organizer below. Gather information on how each kind of robot is built to do its job well.
- 3) If you missed any parts of the video, you can use the video transcript to find what you missed and add it to your notes.
- 4) Choose two robots you would like to include in your writing. Circle the two you chose.

Robots help by

Vacuuming	Building cars	Being a human arm

mystery

Informative | Travel to Seoul

Robot helpers

Name: _____

Date: _____

Robots help people do things all the time. Each robot is designed to be useful for one particular task.

Directions: Write an informative text that teaches the reader about your **two favorite robots** from the video. Teach your reader all about how they are built to do their job.

In your writing remember to:

- ☐ Write an introduction
 - ☐ Get your reader excited to read more
 - ☐ Tell what the rest of the text will be about
- ☐ Organize your writing into paragraphs
- ☐ Add lots of details
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Robot helpers

Name: _____

Date: _____

Picture
<div></div>
Caption
<div></div>

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mystery

Informative | Travel to Seoul

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Fix capitals, spelling, and end marks	I can edit my writing by checking for errors in capitalization, spelling, and punctuation (end marks).			