

Space

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1. When I Grow Up I Want to Be an Astronaut

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**When I grow up, I want to be something very interesting.
The job I'll do will help a lot of people, and I'll like the work that I do.**

**Each day will be adventurous, and I'll strive to learn a lot.
Then I'll share what I know and my knowledge will grow.
It's the perfect, perfect job!**

Space travel has always been fascinating to me, so when I grow up I want to be an astronaut. I know I'll need to study hard in school, be in good health, and work well with others. I either want to be a pilot astronaut or a mission specialist. If I'm a pilot astronaut, I will first have to become a jet pilot. If I choose to become a mission specialist, I will learn to do space walks, satellite launches and repairs, and experiments in space.

Now, science is important, so I'll study hard
when learning about biology.
Experiments in chemistry will help me learn
to develop good hypotheses.
Then I'll read and I'll read and I'll read some more,
and I'll share just what I learn,
'cause when I grow up I want to be something very interesting.

(Chorus)

**Yes, I'll share what I know and my knowledge will grow.
It's the perfect, perfect job!
The perfect, perfect job!**

2. Many Jobs to Choose From

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*There are two kinds of shuttle astronauts. One is a **pilot astronaut** and the other is a **mission specialist**. The pilot astronaut actually flies the space shuttle. The mission specialist is a scientist or engineer who does space walks and satellite launches and repairs. A mission specialist also conducts experiments in space.*

There are many jobs to choose from. There are many things to do.
If you think you'd like to fly, this job is right for you.
A pilot astronaut spends many hours to prepare
for the challenge of flying a space shuttle in the air.

Now, training can be difficult, their survival course profound.
They practice parachuting into water and on the ground.
To feel the sense of weightlessness they fly up in a jet,
and down they dive extremely fast. This trip they won't forget.

There are many jobs to choose from. There are many things to do.
If you think you'd like to fly, this job is right for you.
A mission specialist will conduct experiments
or fix a satellite in space, a great accomplishment.

A mission specialist will practice what it's like in space
by going in a water tank to simulate the place

where weightlessness is all around. It helps them to pretend.
The feeling they will get in space for now they comprehend.

*A space shuttle usually will carry a cargo, which is called a payload. A **payload specialist** is a person who knows all about the payload, which might be a satellite or experiments that need to be tested in space.*

There are many jobs to choose from. There are many things to do.
If you think you'd like to fly, these jobs are right for you.
So learn about space travel and give it a lot of thought,
and one day you might become a famous astronaut!

3. It's Called Cooperation

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Working well with others, solving problems, you will see,
are things that NASA looks for in a person who will be
an astronaut who'll learn and share knowledge in a way
that will help our country learn new things each and every day.

**It's called cooperation. I think you will agree
that if we work together it will just become routine
to talk about the problems working as a solid team.
For finding new solutions will make everyone succeed!**

Learning is important and you must participate.
In classes such as math and science, really concentrate.
For learning quickly is a must when new things come your way.
And remember the importance of the word "cooperate."

(Chorus)

Now, if you want to be an astronaut, you'll need to keep
your body in good health and make sure that you get good sleep.
For exercise and eating right are important, don't forget,
so take good care of yourself. And let me just suggest...

(Chorus)

4. I'm Feeling Light as a Feather

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My friends and I are having so much fun a-way up high.
We float around the space deck turning somersaults. Oh, my!
For weightless we have become as the Earth is far behind.
The feeling is so funny that it's quite hard to describe.

**I'm feeling light as a feather, bouncy as a ball,
really topsy-turvy, and really, really tall.
For now, my face is puffy and my voice a little stuffy,
but I like what I am feeling.
It is weightlessness.**

Now eating is a challenge as the food will float away,
so every single item is secured to the tray.
And going to the bathroom, well let me just say this:
a seatbelt helps you stay in place, for you don't want to miss.

(Chorus)

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It's really quite important every day to exercise,
but doing lots of pushups I would really not advise.
For running on a treadmill that's attached to the floor
will help you stay in better shape than pushups galore!

(Chorus)

5. Can We Live in Space?

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The U.S. launched a lab up in the sky—
they named it Skylab, I'm sure you've guessed why—
a space station that would let us know if we could live in space
for very long;
and “yes” they all agreed. The astronauts wanted to learn more
about the sun—
the source of heat and light it provides for everyone.
So with special telescopes they were able to explore
and learn new facts about the sun, and a whole lot more.

**It's called Skylab—a lab up in the sky.
A place to learn the answers, a place to verify
that we can live in space. It was evident,
for Skylab was a successful experiment.**

*Yes, Skylab did let us know that it is possible to live in space
for long periods of time. Skylab was launched on May 14, 1973
without any astronauts aboard. The crew was scheduled to
blast off and board the Skylab the next day. But, because the
shield that protects Skylab from the heat of the sun ripped
away, another plan was needed. Eleven days later, the “Fix-it
Crew” went up and repaired Skylab. It was then used over the
next nine months by three separate crews. We learned a lot
about the Earth, the sun, and that it's possible for us to live in
space.*

Then on February 8th of '74,
the last Skylab crew quickly climbed aboard
and returned to earth, for their job was done.
A tiresome trip, but the crew they still had fun.
The United States kept Skylab in the sky.
After more than five years, it fell from way up high.
Parts landed in Australia and in the ocean blue,
but most would say that Skylab was successful, too.

(Chorus)

6. You're an Astronaut

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**You're an astronaut exploring a new place.
You're an astronaut, an astronaut in space.
You're an astronaut. You've studied long and hard.
You're an astronaut in space.**

Let's take a trip to learn and to explore a different place.
Let's float in “zero g” on our mission to outer space.
The shuttle is arriving on the back of a jumbo jet.
As an astronaut you are ready. With applause you are met.

The flight plans you have studied. You feel ready for this mission.
The months of training have prepared you for this exciting expedition.
As you climb into your seat, the commander's voice is heard.
The crew attentively listens to the commander's every word.
The noise is heard for miles. You sit so quietly in your seat
as you hear the famous countdown. You are ready for this feat.
Three engines and two rocket boosters lift the shuttle into the sky.
The smoke is all around. The sense of pride could make you cry.

(Chorus)

10, 9, 8, 7, 6, 5, 4, 3, 2, 1, ignition

In two short minutes, the shuttle is twenty-eight miles from the USA.
As the rocket boosters fall to earth, in the sea they will lay.
A ship will spot their parachutes and tow them back to shore,
while the fuel tank now is empty after six minutes or slightly more.
Two small engines are fired to boost the shuttle, just as planned.
Eleven minutes have passed since the lift-off count began.
The shuttle is in space as you sigh and look around.
As you orbit around the earth, the commotion has died down.
You read the information from the miniature TV screens.
Over 2,000 knobs and dials with some levers in between
will help to navigate as you venture weightlessly.
You realize this trip was conducted successfully.

(Chorus)

You're tired and you're hungry so you grab some prepacked food
and strap yourself into your bed and enjoy some solitude.
Space travel can be tiring as great work still lies ahead.
You enjoy this special time alone snuggled in your bed.
The time has come to work, so you put your space suit on.
Connected by a cord, you explore this great phenomenon.
Your partner works the robot arm to help the satellite.
With needed parts, it must be fixed and ready by tonight.
You move back into the shuttle as the others, too, retreat.
The crew agrees this mission is successfully complete.
The shuttle travels back to Earth. You're home without delay,
and proud to be a citizen of the great US of A!

(Chorus)

7. Famous Astronauts

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**They're famous astronauts with the courage to explore
the unknown mysteries of outer space and more.
With knowledge and determination, they all climbed aboard
to learn about a place mankind has never gone before.**

*The first space traveler was a dog named Laika. The Russians sent
Laika into space in 1957. It wasn't until April 12, 1961 that a human
being traveled in space. The first space traveler was a Russian jet
pilot named Yuri Gagarin. He orbited the earth one time. Russian
space travelers are called
cosmonauts.*

**They're famous cosmonauts with the courage to explore
the unknown mysteries of outer space and more.**

Space

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The first American in space was Alan Shepard. He flew for fifteen minutes on May 5, 1961. Then, on February 20, 1962, John Glenn became the first American astronaut to orbit the Earth. His flight lasted 4 hours and 55 minutes.

With knowledge and determination, they all climbed aboard to learn about a place mankind has never gone before.

The first woman to orbit the earth was Valentina Tereshkova, a Russian cosmonaut. She spent three days in space orbiting the earth forty-five times in 1963. Then, in 1965, the United States started its Gemini program. The first American astronaut to walk in space was Edward White.

The United States began its Apollo program in 1966. By 1968, pictures and sounds from outer space were collected and analyzed. Apollo 8 was the first manned spacecraft to orbit the moon. Frank Borman, James Lovell, and William Anders orbited the moon ten times.

(Chorus)

On July 20, 1969, the United States sent Neil Armstrong, Buzz Aldrin, and Michael Collins to the moon on Apollo 11. As the entire world watched, Neil Armstrong became the first man to set foot on the moon. His famous words as he touched the moon were, "That's one small step for a man, one giant leap for mankind."

And how true. Since 1969, men and women have made numerous trips into space to do scientific experiments and to learn how the body functions in space. The future of space travel is exciting. Living on the moon or traveling to Mars might be adventures for future space travelers.

(Chorus)

8. Steppin' Out with the MMU

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**Steppin' out in space with the MMU, the "Manned Maneuvering Unit."
Steppin' out in space to enjoy the view, that's what the MMU can do.**

The life support system it snaps onto—onto the astronaut's back, so the astronaut can move about. It's like a very large backpack. Some say it looks like a comfy chair that the astronaut sits into. The handgrips help to operate and move the MMU.

(Chorus)

The astronaut wears a special suit to supply the oxygen. It keeps the temperature just right. It is the astronaut's true friend. Powered by jet thrusters that release nitrogen gas, the astronaut moves all around. I'm sure she has a blast.

(Chorus 2x)

9. What Is A Satellite?

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The Earth revolves around the sun, so the Earth is a satellite. The moon revolves around the Earth, so the moon is a satellite.

What is a satellite?

What is a satellite?

Any object that revolves around a larger object in space is called a satellite.

There are two kinds of satellites, artificial or natural. Satellites made by man are artificial satellites.

(Chorus)

There are many different artificial satellites today. Weather satellites help us learn more about the weather. Navigational satellites help different types of aircrafts and ships to navigate about the earth. Scientific satellites help us learn more about our solar system and Earth, while communication satellites enable people to see and talk to each other from all over the world.

A satellite will travel in a special path. This path is called its *orbit*. The Earth orbits the sun.

(Chorus)

10. Heroes of our Time

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On January 28, 1986, the space shuttle Challenger exploded just 73 seconds after lift-off. This unexpected disaster took the lives of seven people. Let's not forget the dream that they had.

Let's not forget the dream. The dream for which they strived: to learn about and explore the mysteries above the skies. Let's search for answers knowing that our work and excellence will help gain the knowledge these brave people wanted to keep alive.

They are heroes, heroes of our time, the ones who made a difference, the ones who changed our lives.

They are heroes that we won't forget.

Their thirst for knowledge will live on forever in our minds.

Let's not forget the dream. The dream for which they strived: to learn about and explore the mysteries above our skies. For challenge is never easy, but they never compromised. With courage and determination they were recognized.

(Chorus)

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11. Space Colonies

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Will the Earth get too crowded? Will we need another plan?
Is pollution a problem on our precious land?
Is outer space the answer?
Can we live in colonies and build a home for everyone to live in harmony?

Space colonies—a home up in the sky.

**Space colonies—a home that would supply
all the needed services and all the needed goods.**

This future home is possible, a potential likelihood.

Now, will we live somewhere in space or live right on the moon?
Is gravity a problem if new homes we pursue?
Though scientists would need to know just how this would be done,
to live in space colonies I think would be great fun.

(Chorus 3x)

12. I'll Be an Astronaut Medley

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(It's Called Cooperation)

Working well with others, solving problems, you will see,
are things that NASA looks for in a person who will be
an astronaut who'll learn and share knowledge in a way
that will help our country learn new things each and every day.
It's called cooperation. I think you will agree
that if we work together it will just become routine
to talk about the problems working as a solid team.
For finding new solutions will make everyone succeed!

(Many Jobs to Choose From)

There are many jobs to choose from. There are many things to do.
If you think you'd like to fly, these jobs are right for you.
So learn about space travel and give it a lot of thought,
and one day you might become a famous astronaut!

(Famous Astronauts)

They're famous astronauts with the courage to explore
the unknown mysteries of outer space and more.
With knowledge and determination, they all climbed aboard
to learn about a place mankind has never gone before.

(Heroes of Our Time)

They are heroes, heroes of our time, the ones who made a
difference, the ones who changed our lives.
They are heroes that we won't forget. Their thirst for knowledge will
live on forever in our minds.

(I'm Feeling Light as a Feather)

I'm feeling light as a feather, bouncy as a ball,
really topsy-turvy, and really, really tall.
For now, my face is puffy and my voice a little stuffy,
but I like what I am feeling. It is weightlessness.

(When I Grow Up)

When I grow up, I want to be something very interesting.
The job I'll do will help a lot of people, and I'll like the work that I do.
Each day will be adventurous, and I'll strive to learn a lot.
Then I'll share what I know and my knowledge will grow.
It's the perfect, perfect job!

Yes, I'll share what I know and my knowledge will grow.
It's the perfect, perfect job. The perfect, perfect job.
When I grow up, I wanna be an astronaut!