

Should there be space exploration? (worksheet)

Activity 1

Read the quote. What does it mean?



Activity 2

Vocabulary. Cross the odd one out.

- 1) to launch to broadcast artificial to escape
- 2) extinct life-enhancing food shortage uninhabitable
- 3) a species a spacecraft ordinary people a humanity
- 4) a global issue a space probe manned UFO
- 5) space tourist expenditure space walk collision



The quote is taken <https://www.enkiquotes.com/quotes-about-space-exploration.html>

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Activity 3

Put the events in the chronological order.

Oct. 4, 1957		a) Cosmonaut Valentina Tereshkova, the first woman in space, completes 48 orbits.
April 12, 1961		b) An American and Russian crew begins living aboard the international space station. There has been a crew of two or six aboard the space station at all times throughout the decade. It's the largest artificial body in orbit, and can be seen by the naked eye from Earth when viewed at the right time.
June 16-19, 1963		c) Cosmonauts Vladimir Titov and Musa Manarov return to Earth from Soviet space station Mir after man's longest space flight, 365 days, 22 hours, 39 minutes.
Dec. 21, 1968		d) First artificial satellite, Sputnik I, is launched by Soviet Union.
July 20, 1969		e) First manned spacecraft to orbit moon, Apollo 8, comes within 70 miles (112 kilometers) of lunar surface.
Dec. 21, 1988		f) Soviet cosmonaut Yuri Gagarin completes the first manned space flight, orbiting the Earth in 108 minutes.
Dec. 6, 1998		g) Man walks on the moon. Neil Armstrong and Buzz Aldrin of Apollo XI spend 21 1/2 hours on the moon, 2 1/2 of those outside the capsule.
Nov. 2, 2000		h) The first pieces of the International Space Station are launched and it has been a huge part of American and Russian space missions since.

Activity 4

Read the quotes. How do you understand them



1) *"All civilizations become either spacefaring or extinct."* - Carl Sagan -

2) *"Apocalyptic explosions, dead reactors, terrorists, mass murder, death-slugs, and now a blindness plague. This is a terrible planet. We should not have come here."* - James S.A. Corey -

3) *"Space travel is life-enhancing, and anything that's life-enhancing is worth doing. It makes you want to live forever."* - Ray Bradbury-

4) *"Man has gone out to explore other worlds and other civilizations without having explored his own labyrinth of dark passages and secret chambers, and without finding what lies behind doorways that he himself has sealed."* - Stanislaw Lem

5) *"Earth is a small town with many neighborhoods in a very big universe."* - Ron Garan -

6) *"The single simplest reason why human space flight is necessary is this, stated as plainly as possible: keeping all your breeding pairs in one place is a retarded way to run a species."* - Warren Ellis-



Divide the quotes into two categories: for and against space exploration. Which ones do you agree with?

For space exploration	Against space exploration
Quote ____	Quote ____

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Activity 5

Discuss the questions with your partner:

1. What is the most interesting thing you know about space?
2. What characteristics make a good astronaut?
3. Would you like to travel into space? Why or why not?
4. Have you ever seen any movies about space exploration or space travel and so on? If yes, what was it about? Were there any problems or benefits from space exploration?
5. Will humans ever travel to different solar systems? If yes, what for?
6. Nowadays space tourism, space travel for recreational, leisure or business purposes, is just starting up. What do you think of it? Would you like to take part in it?
7. How important is learning about space? What are the values and benefits of space exploration?
8. In what ways would the world be different if there were no satellites in orbit around the earth?
9. Would you agree to help colonize a planet if you knew you couldn't come back to earth?
10. It seems that the dinosaurs were probably wiped out by a large meteorite. If another large meteor were found to be on collision course with earth which action should or could we take?
11. What do you think of the idea that we could escape into space if (or when) the earth becomes uninhabitable for whatever reason?



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Activity 5

Debates:

- 1) Make a list of your arguments.
- 2) Take an active part in the debates.
- 3) Use the phrases:

Stating an opinion:

- In our opinion...
- The way we see it...
- If you want our honest opinion....
- As far as I'm concerned...
- Our position is the following...



Sequencing:

- Firstly..., secondly..., our third point is that...
- The first good reason to... is that... ; next ; what's more ; moreover....
- To begin, we think that... ; in addition, you have to know that... ; last but not least....
- The first point I would like to raise is this...
- Here's the main point I want to raise...
- I'd like to deal with two points here. The first is...

Show that you're listening to the opposite party:

- I see your point, but I think...
- Yes, I understand, but my opinion is that...
- That's all very interesting, but the problem is that...
- I'm afraid I can't quite agree with your point.
- I think I've got your point, now let me respond to it.
- We can see what you're saying. Here's my reply.



Disagreeing:

- Sorry, I just have to disagree with your point.
- Let me just respond to that, please.
- I'd like to take issue with what you just said.
- We said that... but the other side has not replied to our point.
- I'd like to focus on two points that the other side has failed to address.
- There are two issues our opponents have failed to dispute, namely...
- We pointed out that...
- Our opponents have claimed that...

Summary:

- To recap the main points...
- Let's sum up where we stand in this debate.
- In summary, we want to point out that...

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