

PLEASE MAKE A COPY OF THIS DOCUMENT AND SAVE IT IN YOUR SYMPOSIUM FOLDER YOU SHOULD DELETE THE SECTIONS THAT DO NOT APPLY TO YOU. REMEMBER, YOU'RE ONLY REQUIRED TO DO ONE OF THE STUDENT-LED RESEARCH OPTIONS.

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# STUDENT-LED RESEARCH PLAN

Group members:

<b>Please write the names of your group members here (including their PARK ELA class period):</b>
Diego Grajeda (3,4) Marco Martinez (1,2) Wilton Phung (1,2)

Driving Question:

<b>What is your driving question? Please type it out below.</b>
To what extent does space exploration contribute towards the advancement of humanity?

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## Survey

<b>Who are you planning on surveying?</b>
Science and Engineering teachers and students
<b>How many people are you surveying?</b>
50
<b>How are you going to administer or give out your survey?</b>
Give it to the Science or Engineering teachers to give to the students
<b>Write your 5-7 survey questions below. You may need to have questions on age, gender, and other background info if it applies to your data and driving question. Remember, you can have multiple choice questions, Yes/No/I don't Know questions, or a LIKERT scale (scale of 1-5 kind of questions). Free response questions are very difficult to analyze because your</b>

**data won't be clean.**

How Old are you?

(Boy)(Girl)(Other)?

LIKERT Scale

1. Do you think humans even need a space administration?
2. Should Nasa space program still be funded?
3. Do you believe space exploration does anything for people on Earth?
4. Are the resources gained from space worth the cost of going into space?
5. Given our global state, is it right to be exploring space with our problems on earth?
6. Should the findings in outer space affect the way we treat our planet?

**How does your survey relate to or help investigate the DRIVING QUESTION?**

It helps bring to light some of the perspectives on the worth of space programs and exploration. It shows whether or not a space program has contributed enough to still be funded or continued, in the eyes of the people who were surveyed.

**What are the limitations or possible flaws of your survey?**

The flaws of our survey are that for one the kids being surveyed are 12-14 so there perspectives may not be very diverse.They may not realize how much space exploration can cost and what the money from space exploration can do if we use it in another way.

# Space Exploration Survey

Please carefully answer the following questions as truthfully as possible. All answers will be kept anonymous. Do NOT write your name on this survey. Thank you for participating in our survey.

How old are you?

- 10-15 years old
- 15-25 years old
- 25-35 years old
- 35-50 years old
- 51+ years old

In your opinion, what do you believe Space exploration contributes to? (Please check all that apply)

- Political rivalries
- Scientific innovations
- New technologies
- Usable Materials
- Economic (financial) investments and opportunities
- Other: \_\_\_\_\_

How much of our government's spending should be spent on space exploration?

- 5%
- 10%
- 25%
- More than 25%
- None

The following statements require you to rate your point of view. Please circle the corresponding number per statement.

1 - strongly agree / 2 - agree / 3 - neither / 4 - disagree / 5 - strongly disagree

All countries should have space programs, like the USA has NASA.

1                      2                      3                      4                      5

The NASA space program should be kept fully funded through American tax dollars.

1                      2                      3                      4                      5

What we gain from space is worth the cost of going into space.

1                      2                      3                      4                      5

The findings of outer space travel will affect the way humans treat and function on planet Earth and in the future.

1                      2                      3                      4                      5