

# Space Science Innovator Project

Project Due Date: October 11<sup>th</sup>, 2019

Name of Scientist: \_\_\_\_\_

This is an independent project where students will research a particular scientist (living or not-living) that made some sort of contribution to space science. Whether the scientist invented something, made something better, contributed enormous ideas, or discovered something, we want to know about it!

## **You have 5 choices for the type of project that you complete.**

1. **News Article:** Write a front-page news story/article about your scientist and explain how he/she and the invention, discovery, contribution affects your life.
2. **Children's Book:** Create a printed children's book, important details about your famous scientist, including pictures.
3. **Poster:** Create a full color poster of your famous scientist including all-important facts.
4. **Model:** Create a small 3-D (physical) model that represents what your famous scientist achieved, with a written informational speech).
5. **Digital Presentation:** Create a digital presentation that includes important details about your famous scientist, including pictures.

## **What should be included in your project?**

1. The first, middle and last name of your scientist.
2. A mug shot (picture of your scientist).
3. Years living (examples: 1901-1959; 1973 - ?)
4. Their field of study (for example: biology, zoology, marine biology, botany)
5. The country they were born in.
6. Where they did / do their work.
7. A description, in your own words, of what your scientist is most famous for.
8. Pictures, graphics or illustrations of what your scientist is famous for.
9. A paragraph, in your own words, explaining how their accomplishment has benefited the world.
10. Two interesting facts about your scientist.
11. A quote by your scientist
12. Any other important information you can find

## **Display of Information Requirements:**

### **1. Your work must be attractive.**

By attractive I mean neat. If your handwriting is sloppy you should type it. You should have proper spelling and complete sentences. Capitalization and punctuation is also required.

### **2. Your work must be colorful.**

I should see vivid color. Use markers, paper and other supplies to enhance the overall look of your final product. When looking at your project the class should say, "you really took the time to make your project".

### **3. Your project must be creative.**

Think of ways to make your project stand out from the crowd. Use all of the space available to you.

### **4. Your project must be informative.**

In order to meet this requirement you must complete all of the research on your assigned scientist. You should think carefully about how they benefited the world and present this to your readers so that they believe that your scientist is truly a FAMOUS scientist.

## **You may choose one of the following scientists (any others must be approved by the teacher):**

1. Charles Messier
2. Nicolaus Copernicus
3. William Herschel
4. Johannes Kepler
5. Edwin Hubble
6. Hipparchus
7. Galileo Galilei
8. Isaac Newton
9. Carl Sagan
10. Stephen Hawking
11. Giovanni Cassini
12. Edmond Halley
13. Charles Messier
14. Henrietta Swann Leavitt
15. Frank Drake
16. Maria Mitchell
17. Ellen Ochoa
18. Wernher von Braun
19. Johann Gottfried Galle
20. Micheal E. Brown
21. Christian Huygens
22. Thomas Gold
23. Joseph-Louis Lagrange
24. Edmund Halley
25. Caroline Hershel
26. Annie Jump Cannon
27. Fritz Zwicky
28. Willebrord Snell
29. Tycho Brahe
30. J. Allen Hynek

## Space Science Innovator Project Rubric

<b>Scientist Name</b>	The first, middle and last name of your scientist.	____/1
<b>Mugshot</b>	A mug shot (picture of your scientist).	____/2
<b>Time Period</b>	Years living (examples: 1901-1959; 1973 - ?)	____/1
<b>Study</b>	Their field of study (for example: biology, zoology, marine biology, botany)	____/1
<b>Birthplace</b>	The country they were born in	____/1
<b>Location</b>	Where their research or work was done	____/1
<b>Description</b>	A description, in your own words, of what your scientist is most famous for.	____/2
<b>Pictures</b>	Pictures, graphics or an illustration of what your scientist is famous for. (3 minimum)	____/3
<b>Accomplishments</b>	A paragraph, in your own words, explaining how their accomplishment has benefited the world.	____/5
<b>Appearance</b>	Two interesting facts about your scientist.	____/2
<b>Quote</b>	A quote by your scientist	____/1
<b>Quality of Presentation</b>	Attractive, colorful, creative, and informative project is presented.	____/20
	<b>TOTAL POINTS</b>	____/40