

Student Name: \_\_\_\_\_



***Inspiring the Next Generation of Explorers***  
**Anticipation/Reaction Guide for Jim Kennedy's Presentation**

*As part of our Space Week program for sixth graders, Jim Kennedy, former Director of KSC, will give a presentation that includes lessons in life and leadership that are inspired by stories of space exploration. We hope that it is an enjoyable learning experience that will inspire you!*



**Instructions:** Respond to each statement in the table below twice: once before the speaker and again after the presentation. Use the columns on the left and right for your answers.

- Write **A** if you agree with the statement.
- Write **D** if you disagree with the statement.
- Be prepared to discuss and justify your thinking with evidence. Your teacher will lead a class discussion after the presentation.

Response before presentation	Topic: Inspiring the Next Generation of Explorers	Response after presentation
	1. The International Space Station (ISS) is a giant science laboratory.	
	2. Astronauts <b>MUST</b> do fitness training for 2-4 hours on the ISS every day.	
	3. Over 3,000 satellites have been launched from Earth.	
	4. <i>Voyager</i> is a satellite that has been traveling for over 37 years and has gone over 12 billion miles.	
	5. If you had 18 square feet (e.g. 2 foot by 9 foot) of solar cells on the roof of your house you could supply enough energy for your home.	
	6. If scientists can figure out how to mine Helium 3 from the moon, we could supply all the energy we need here on Earth.	
	7. Over 50,000 spin-off technologies have come from NASA research and development.	
	8. The relationship between USA and Russia is very important to space exploration.	

**Student Name:** \_\_\_\_\_

**The following questions are related to topics that Mr. Kennedy discusses in his presentation. Choose a minimum of two, and answer them in the space at the bottom of the page or in your science notebook. Be prepared to discuss your responses with your classmates. After the presentation, revisit your responses and revise if necessary.**

1. How many people have walked on the Moon, and from what countries were they?
2. There are 6 American flags on the moon. What colors are on the flags?
3. How long does it take the International Space Station to orbit the Earth one time?
4. How long has the ISS been in space with permanent human residents? About how much time does each astronaut or cosmonaut spend on the ISS?
5. It would only take 6 months to get to Mars, but once you got there, you would have to wait 2 years before you leave to return to Earth. Why?
6. Why won't the Hubble telescope have its batteries changed or be worked on any more?
7. Jim Kennedy believes that "Teamwork makes the Team Work." What do you think he means by that?
8. With your parents' permission, Google APOD (Astronomy Picture of the Day) and visit the website. Tell about a picture you found.
9. Two of Mr. Kennedy's tips are – "Go the Extra Mile" and "Change is NOT a Bad Thing." Choose one and explain what it might mean to someone working in space exploration. How can you apply the tip to a situation in your own life?

**For those who want to "go the extra mile":**

With your parents' permission, explore Jim Kennedy's website - *We Need Our Space* (<http://weneedourspace.com/>). There are videos, facts, games and links to other cool websites. On an index card, write down a question to ask Mr. Kennedy when he visits your school.