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| 3rd Grade – 5th Grade | **Listening** – Using NASA’s Four Forces lesson, share information and examples regarding the four forces involved in flight --- thrust, lift, drag, and weight | 3rd grade example Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others’ ideas and expressing their own clearly.  
4th grade example  
5th grade example | • Understanding the importance of looking at the speaker, taking conversational turns, and sharing the floor  
• Determine main ideas and supporting details of information presented |
|                  | **Speaking** - Have students conduct simple experiments regarding the four forces of flight using NASA’s Four Forces lesson, then discuss/answer questions. | 3rd grade example  
4th grade example  
5th grade example Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace. | • Read and study required material before the discussion  
• Engage in collaborative discussions  
• Think about relevant background knowledge  
• Follow rules for discussions  
• Ask questions to check understanding  
• Stay on topic |
|                  | **Reading** - Read a book, such as How to be a Space Explorer: Your Out-of-this-World Adventure by Lonely Planet Kids, and discuss what space travel is like. | 3rd grade example  
4th grade example  
5th grade example Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text. | • Identify the main idea and most important details  
• Summarize the text in their own words  
• Understand, recall, and explain “how to” procedures |
|                  | **Writing** – Imagine and describe in detail what flying a space shuttle might be like. Where would you like to visit? What experiment would you like to do? | 3rd grade example  
4th grade example  
5th grade example | • Choose precise vocabulary to explain thinking  
• Use complex sentences  
• Understand and use text features |
| Conduct while in space? Remember to include looks, smells, tastes, sounds. | Write informative/explanatory texts to examine a topic and convey ideas and information clearly. | • Organize information logically  
• Use description to show thoughts and feelings |