

***National Standards for NBAA's Aviation for Kids Program***

Activity Section	Science Standards	Technology Standards	Mathematics Standards	English Language Arts Standards	Social Studies Standards
Thrust	A, B, E, Unifying Concepts and Processes	8, 10, 11			
Gravity	A, B, E, Unifying Concepts and Processes	8, 10, 11			
Drag	A, B, E, Unifying Concepts and Processes	8, 10, 11			
Lift	A, B, E, Unifying Concepts and Processes	8, 10, 11			
Small Parts	E, Unifying Concepts and Processes	8, 11			
Bizzy				3, 4, 5, 6, 12	3
Business Aviation in Action	F, G, Unifying Concepts and Processes	3, 4, 6	10		

***Science Standards:***

Standard A: Science as Inquiry

Standard B: Physical Science

- Motions and forces (Position and motion of objects)

Standard E: Science and Technology

- Abilities of technological design
- Understandings about science and technology

Standard F: Science in Personal and Social Perspectives

- Science and technology in local challenges

Standard G: History and Nature of Science

- Science as a human endeavor

Unifying Concepts and Processes:

- Evidence, models, and explanation
- Form and function

***Technology Standards:***

- Understanding of the relationships among technologies and the connections between technology and other fields of study.
- Understanding of the cultural, social, economic, and political effects of technology.
- Understanding of the role of society in the development and use of technology.
- Understanding of the attributes of design.
- Understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.
- Ability to apply the design process.

***Mathematics Standard:***

Representation Standard:

- Use representations to model and interpret physical, social, and mathematical phenomena.

***English Language Arts Standards:***

- Evaluation Strategies
- Communication Skills
- Communication Strategies
- Applying Knowledge
- Applying Language Skills

***Social Studies Standard:***

- People, Places, and Environments

***Sources for National Standards and Web Sites:***

1. National Science Standards – National Research Council  
<http://www.nap.edu/readingroom/books/nses/html>
2. National Mathematics Standards – National Council of Teachers of Mathematics  
<http://standards.nctm.org/document/index.htm>
3. National English Language Arts Standards – National Council of Teachers of English  
<http://www.ncte.org/standards/standards.shtml>
4. National Social Studies Standards – National Council for the Social Studies  
<http://www.ncss.org/standards/toc.html>
5. National Technology Standards – International Technology Education Association  
<http://www.iteawww.org/TAA/Listing.htm>