

Aeronautics Educator Guide			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Rotor Motor (69-75)	MN	MA.2.2.1.2.6	Use addition and subtraction to create and obtain information from tables, bar graphs and tally charts.
Paper Bag Mask (23-28)	MN	MA.2.2.3.2.1	Understand the relationship between the size of the unit of measurement and the number of units needed to measure the length of an object.
Paper Bag Mask (23-28)	MN	MA.2.2.3.2.2	Demonstrate an understanding of the relationship between length and the numbers on a ruler by using a ruler to measure lengths to the nearest centimeter or inch.
Wind in Your Socks) (29-35)	MN	MA.2.2.3.2.1	Understand the relationship between the size of the unit of measurement and the number of units needed to measure the length of an object.
Wind in Your Socks) (29-35)	MN	MA.2.2.3.2.2	Demonstrate an understanding of the relationship between length and the numbers on a ruler by using a ruler to measure lengths to the nearest centimeter or inch.
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Grade 3			
Activity/Lesson	State	Standards	
Rotor Motor (69-75)	MN	MA.3.3.4.1.1	Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels and units.
Flight: Interdisciplinary Learning Activities (76-79)	MN	MA.3.3.4.1.1	Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels and units.
Plan to Fly There (97-106)	MN	MA.3.3.3.3.1	Tell time to the minute, using digital and analog clocks. Determine elapsed time to the minute.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	MN	MA.3.3.3.3.1	Tell time to the minute, using digital and analog clocks. Determine elapsed time to the minute.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	MN	MA.3.3.4.1.1	Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels and units.
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Grade 4			
Activity/Lesson	State	Standards	
Rotor Motor (69-75)	MN	MA.4.4.4.1.1	Use tables, bar graphs, timelines and Venn diagrams to display data sets. The data may include fractions or decimals. Understand that spreadsheet tables and graphs can be used to display data.
Wind in Your Socks) (29-35)	MN	MA.4.4.3.2.1	Measure angles in geometric figures and real-world objects with a protractor or angle ruler.