Aeronautics Educator Guide			
2008 Mathematics			
Core Curriculum Content Standards			
New Jersey Mathematics			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Flight: Interdisciplinary Learning Activities (76-79)	NJ	MA.2.4.1.2 A.3	Understand that numbers have a variety of uses.
Flight: Interdisciplinary Learning Activities (76-79)	NJ	MA.2.4.5 E.1.d	Graphical representations (e.g., a line graph)
Plan to Fly There (97-106)	NJ	MA.2.4.2.2 D.3.d	Time – second, minute, hour, day, week, month, year
We Can Fly, You and I: Interdisciplinary Learning (107-108)	NJ	MA.2.4.2.2 D.3.d	Time – second, minute, hour, day, week, month, year
We Can Fly, You and I: Interdisciplinary Learning (107-108)	NJ	MA.2.4.5 E.1.d	Graphical representations (e.g., a line graph)
Wind in Your Socks) (29-35)	NJ	MA.2.4.4.2 A.1.a	Data collected from students' everyday experiences
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Grade 3			
Activity/Lesson	**State**	**Standards**	
Rotor Motor (69-75)	NJ	MA.3.4.4.3 A.2.a	Pictograph, bar graph, table
Flight: Interdisciplinary Learning Activities (76-79)	NJ	MA.3.4.1.3 A.5.a	Counting, measuring, labeling (e.g., numbers on baseball uniforms)
Where is North? The Compass Can Tell Us (87-90)	NJ	MA.3.4.2.3 A.1.a	Direction, orientation, and perspectives (e.g., which object is on your left when you are standing here?)
Dunked Napkin (17-22)	NJ	MA.3.4.4.3 B.2.b	Collect data and use that data to predict the probability (experimental)
Paper Bag Mask (23-28)	NJ	MA.3.4.1.3 A.5.a	Counting, measuring, labeling (e.g., numbers on baseball uniforms)
Paper Bag Mask (23-28)	NJ	MA.3.4.4.3 B.2.b	Collect data and use that data to predict the probability (experimental)
Wind in Your Socks) (29-35)	NJ	MA.3.4.1.3 A.5.a	Counting, measuring, labeling (e.g., numbers on baseball uniforms)
Wind in Your Socks) (29-35)	NJ	MA.3.4.4.3 B.2.b	Collect data and use that data to predict the probability (experimental)
Right Flight (52-59)	NJ	MA.3.4.4.3 B.2.b	Collect data and use that data to predict the probability (experimental)
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Grade 4			
Activity/Lesson	**State**	**Standards**	
Rotor Motor (69-75)	NJ	MA.4.4.4.4 A.2.a	Pictograph, bar graph, line plot, line graph, table
Rotor Motor (69-75)	NJ	MA.4.4.5 E.1.d	Graphical representations (e.g., a line graph)
Flight: Interdisciplinary Learning Activities (76-79)	NJ	MA.4.4.5 E.1.d	Graphical representations (e.g., a line graph)
Making Time Fly (80-86)	NJ	MA.4.4.1.4 A.7.b	Extension of the number line
Making Time Fly (80-86)	NJ	MA.4.4.4.4 B.3.b	Collect data and use that data to predict the probability (experimental)
Where is North? The Compass Can Tell Us (87-90)	NJ	MA.4.4.2.4 A.1.a	Direction, orientation, and perspectives (e.g., which object is on your left when you are standing here?)
Plan to Fly There (97-106)	NJ	MA.4.4.2.4 D.5	Solve problems involving elapsed time.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	NJ	MA.4.4.2.4 D.5	Solve problems involving elapsed time.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	NJ	MA.4.4.5 E.1.d	Graphical representations (e.g., a line graph)
Paper Bag Mask (23-28)	NJ	MA.4.4.4.4 B.3.b	Collect data and use that data to predict the probability (experimental)
Wind in Your Socks) (29-35)	NJ	MA.4.4.4.4 B.3.b	Collect data and use that data to predict the probability (experimental)
Right Flight (52-59)	NJ	MA.4.4.4.4 B.3.b	Collect data and use that data to predict the probability (experimental)
Delta Wing Glider (60-68)	NJ	MA.4.4.4.4 B.3.b	Collect data and use that data to predict the probability (experimental)