

Adventures in Aeronautics			
2006 Science Revised January 2008			
State Curriculum			
Maryland Science Revised January 2008			
Grade 3			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	MD	SCI.3.1.A.1.b	Select and use appropriate tools hand lens or microscope (magnifiers), centimeter ruler (length), spring scale (weight), balance (mass), Celsius thermometer (temperature), graduated cylinder (liquid volume), and stopwatch (elapsed time) to augment observations of objects, events, and processes.
Adventures in Aeronautics	MD	SCI.3.1.A.1.g.4	Judge whether measurements and computations of quantities are reasonable in a familiar context by comparing them to typical values when measured to the nearest (Newton - weight)
Adventures in Aeronautics			
2006 Science Revised January 2008			
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Maryland Science Revised January 2008			
Grade 4			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	MD	SCI.4.1.A.1.b	Select and use appropriate tools hand lens or microscope (magnifiers), centimeter ruler (length), spring scale (weight), balance (mass), Celsius thermometer (temperature), graduated cylinder (liquid volume), and stopwatch (elapsed time) to augment observations of objects, events, and processes.
Adventures in Aeronautics	MD	SCI.4.4.A.1.c	Compare samples of like materials using appropriate tools to measure, estimate, and calculate size, capacities, masses and weights.
Adventures in Aeronautics			
2006 Science Revised January 2008			
State Curriculum			
Maryland Science Revised January 2008			
Grade 5			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	MD	SCI.5.1.A.1.b	Select and use appropriate tools hand lens or microscope (magnifiers), centimeter ruler (length), spring scale (weight), balance (mass), Celsius thermometer (temperature), graduated cylinder (liquid volume), and stopwatch (elapsed time) to augment observations of objects, events, and processes.
Adventures in Aeronautics	MD	SCI.5.5.A.1.b	Use measurements to describe the distance traveled as the change in position.

Adventures in Aeronautics	MD	SCI.5.5.A.1.c	Based on data describe speed as the distance traveled per unit of time.
Adventures in Aeronautics	MD	SCI.5.5.A.2.b	Observe and explain the changes in selected motion patterns using the relationship between force and mass.