

Smart Skies			
2006 Science Revised January 2008			
State Curriculum			
Maryland Science Revised January 2008			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	MD	SCI.5.1.C.1.a	Make use of and analyze models, such as tables and graphs to summarize and interpret data.
Fly by Math	MD	SCI.5.5.A.1.b	Use measurements to describe the distance traveled as the change in position.
Fly by Math	MD	SCI.5.5.A.1.c	Based on data describe speed as the distance traveled per unit of time.
Fly by Math	MD	SCI.5.5.A.2.b	Observe and explain the changes in selected motion patterns using the relationship between force and mass.
Line Up with Math	MD	SCI.5.5.A.1.b	Use measurements to describe the distance traveled as the change in position.
Line Up with Math	MD	SCI.5.5.A.1.c	Based on data describe speed as the distance traveled per unit of time.
Line Up with Math	MD	SCI.5.5.A.2.b	Observe and explain the changes in selected motion patterns using the relationship between force and mass.
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Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	MD	SCI.6.1.A.1.h	Use mathematics to interpret and communicate data.
Fly by Math	MD	SCI.6.1.B.1.a	Verify the idea that there is no fixed set of steps all scientists follow, scientific investigations usually involve the collection of relevant evidence, the use of logical reasoning, and the application of imagination in devising hypotheses and explanations to make sense of the collected evidence.
Fly by Math	MD	SCI.6.1.C.1.b	Interpret tables and graphs produced by others and describe in words the relationships they show.
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Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	MD	SCI.7.1.A.1.h	Use mathematics to interpret and communicate data.

Fly by Math	MD	SCI.7.1.B.1.a	Verify the idea that there is no fixed set of steps all scientists follow, scientific investigations usually involve the collection of relevant evidence, the use of logical reasoning, and the application of imagination in devising hypotheses and explanations to make sense of the collected evidence.
Fly by Math	MD	SCI.7.1.B.1.d	Describe the reasoning that lead to the interpretation of data and conclusions drawn.
Fly by Math	MD	SCI.7.1.C.1.b	Interpret tables and graphs produced by others and describe in words the relationships they show.

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Grade 8

Activity/Lesson	State	Standards	
Fly by Math	MD	SCI.8.1.C.1.b	Interpret tables and graphs produced by others and describe in words the relationships they show.
Fly by Math	MD	SCI.8.5.A.1.a	Observe, describe, and compare the motions of objects using position, speed, velocity, and the direction.
Fly by Math	MD	SCI.8.5.A.1.b	Based on data given or collected, graph and calculate average speed using distance and time.
Fly by Math	MD	SCI.8.5.A.1.c	Compare accelerated and constant motions using time, distance, and velocity.
Fly by Math	MD	SCI.8.5.A.1.d	Describe and calculate acceleration using change in the speed and time.
Fly by Math	MD	SCI.8.5.A.2.a	Investigate and explain the interaction of force and motion that causes objects that are at rest to move.
Line Up with Math	MD	SCI.8.5.A.1.a	Observe, describe, and compare the motions of objects using position, speed, velocity, and the direction.
Line Up with Math	MD	SCI.8.5.A.1.b	Based on data given or collected, graph and calculate average speed using distance and time.
Line Up with Math	MD	SCI.8.5.A.1.c	Compare accelerated and constant motions using time, distance, and velocity.
Line Up with Math	MD	SCI.8.5.A.1.d	Describe and calculate acceleration using change in the speed and time.