

Smart Skies			
1998 Science			
Content Standards			
California Science			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	CA	SCI.5.IE.6.g	Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will Record data by using appropriate graphic representations (including charts, graphs, and labeled diagrams) and make inferences based on those data
Smart Skies			
1998 Science			
Content Standards			
California Science			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	CA	SCI.6.ESIE.7.b	Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data
Smart Skies			
1998 Science			
Content Standards			
California Science			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	CA	SCI.7.LSIE.7.a	Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data

Fly by Math	CA	SCI.7.LSIE.7.c	Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will Communicate the logical connection among hypotheses, science concepts, tests conducted, data collected, and conclusions drawn from the scientific evidence
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Smart Skies

1998 Science

Content Standards

California Science			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	CA	SCI.8.PC.1.b	Students know that average speed is the total distance traveled divided by the total time elapsed and that the speed of an object along the path traveled can vary.
Fly by Math	CA	SCI.8.PC.1.c	Students know how to solve problems involving distance, time, and average speed.
Fly by Math	CA	SCI.8.PC.1.f	Students know how to interpret graphs of position versus time and graphs of speed versus time for motion in a single direction.
Fly by Math	CA	SCI.8.PCIE.9.f	Apply simple mathematic relationships to determine a missing quantity in a mathematic expression, given the two remaining terms (including speed = distance/time, density = mass/volume, force = pressure x area, volume = area x height).
Line Up with Math	CA	SCI.8.PC.1.b	Students know that average speed is the total distance traveled divided by the total time elapsed and that the speed of an object along the path traveled can vary.
Line Up with Math	CA	SCI.8.PC.1.c	Students know how to solve problems involving distance, time, and average speed.
Line Up with Math	CA	SCI.8.PCIE.9.f	Apply simple mathematic relationships to determine a missing quantity in a mathematic expression, given the two remaining terms (including speed = distance/time, density = mass/volume, force = pressure x area, volume = area x height).

Smart Skies

1998 Science

Content Standards

California Science			
Grades 9-12 (Physics)			
Activity/Lesson	State	Standards	

Fly by Math	CA	SCI.9-12.PH.1.a	Newton's laws predict the motion of most objects. As a basis for understanding this concept Students know how to solve problems that involve constant speed and average speed
Fly by Math	CA	SCI.9-12.PH.1.g	Newton's laws predict the motion of most objects. As a basis for understanding this concept Students know circular motion requires the application of a constant force directed toward the center of the circle
Line Up with Math	CA	SCI.9-12.PH.1.a	Newton's laws predict the motion of most objects. As a basis for understanding this concept Students know how to solve problems that involve constant speed and average speed