



# STC

SCIENCE AND TECHNOLOGY CONCEPTS™  
MIDDLE SCHOOL



Smithsonian  
Science Education Center

## PHYSICAL SCIENCE

### Energy, Forces, and Motion

MS-PS2-1, MS-PS2-2, MS-PS2-3,  
MS-PS2-5, MS-PS3-1, MS-PS3-2,  
MS-PS3-5, ETS1-1, ETS1-2,  
ETS1-3, ETS1-4

### Matter and Its Interactions

MS-PS1-1, MS-PS1-2, MS-PS1-3,  
MS-PS1-4, MS-PS1-5, MS-PS1-6,  
MS-PS3-4, MS-PS3-5, ETS1-1,  
ETS1-2, ETS1-3, ETS1-4

### Electricity, Waves, and Information Transfer

MS-LS1-8, MS-PS2-3, MS-PS3-3,  
MS-PS3-5, MS-PS4-1, MS-PS4-2,  
MS-PS4-3, MS-ETS1-1,  
MS-ETS1-2, MS-ETS1-3,  
MS-ETS1-4

## LIFE SCIENCE

### Ecosystems and their Interactions

MS-LS1-5, MS-LS1-6, MS-LS1-7,  
MS-LS2-1, MS-LS2-2, MS-LS2-3,  
MS-LS2-4, MS-LS2-5, MS-LS4-4,  
MS-LS4-6, MS-ESS3-3

### Structure and Function

MS-LS1-1, MS-LS1-2, MS-LS1-3,  
MS-LS1-6, MS-LS1-7, MS-LS1-8,  
MS-LS4-2, MS-LS4-3

### Genes and Molecular Machines

MS-LS1-1, MS-LS1-4, MS-LS1-5,  
MS-LS3-1, MS-LS3-2,  
MS-LS4-3, MS-LS4-5

## EARTH/SPACE

### Weather and Climate Systems

MS-ESS2-4, MS-ESS2-5,  
MS-ESS2-6, MS-ESS3-2,  
MS-ESS3-4, MS-ESS3-5,  
ETS1-1, ETS1-3

### Earth's Dynamic Systems

MS-LS4-1, MS-ESS1-4,  
MS-ESS2-1, MS-ESS2-2,  
MS-ESS2-3, MS-ESS3-1,  
MS-ESS3-2

### Space Systems Exploration

MS-PS2-4, MS-ESS1-1,  
MS-ESS1-2, MS-ESS1-3,  
MS-ETS1-1, MS-ETS1-2,  
MS-ETS1-3, MS-ETS1-4