

RAFT Next Generation Science Standards Coverage Map



Kindergarten

Grade 1

Grade 2

Grade 3

Grade 4

Grade 5

Middle School

High School

SCIENCE AND ENGINEERING PRACTICES

-Camouflage
-Magnetic Exploration File Pile
-Match the Sounds
> and 64 more!

-Coming Full Circle
-Mind Mixer
-Sink or Float
> and 73 more!

-Magnetic Field Line Viewer
-Model Apple
-Nail Puzzle
> and 94 more!

-Breaking it Down
-Mixing it Up
-Solar Path Across the Sky
> and 114 more!

-Mysterious Magnetic Movements
-Static Merry-go-round
-Simple Telescope
> and 164 more!

-Electromagnetic Exploration
-Rapid Prototyping
-Strawberry DNA Illustrated
> and 159 more!

-Aquatic Quadratics!
-Catch a Falling Ring
-Cork Tree Puzzle
> and 165 more!

-Ample Samples
-Hopping Coil
-Solar Experimenter
> and 102 more!

PHYSICAL SCIENCE

-Finger Poppers
-Gravity Defying Frog
-Stepping Stones
> and 17 more!

-Cap Maracas
-Colors of Light
-Kaleidoscope Explorations
> and 37 more!

-Color Mix "Pudding"
-Is it Really Full
-Shake Your Butter
> and 43 more!

-Floating Garden of Magnets
-Mini Magnet Wands
-Puff Rocket
> and 72 more!

-Buzz Off
-Shake Table
-Tongue Depressor Harmonica
> and 140 more!

-Fizzy Rockets
-Water Beads
-What Floats Your Boat
> and 115 more!

-Earphone in a Lid
-Floating Compass
-Spectrum Bracelet
> and 207 more!

-Hovercraft
-Magnetic Perturbations
-Roller Racer
> and 98 more!

LIFE SCIENCE

-Born From an Egg
-Some Like It Hot
-The Germinator
> and 14 more!

-Folded Flutterbys
-Munchy Match
-Ocean in a Box
> and 7 more!

-Baby, It's Cold Outside
-Down on the Farm
-Seed Ease
> and 17 more!

-Critter Capsule
-Tabletop Camouflage
-Thumbs Tied
> and 26 more!

-Anamorphic Art
-Black and White Makes Color
-Simple Stethoscope
> and 61 more!

-Bug Pooter
-Grow it and Wear it
-Owl Pellet Dissection
> and 12 more!

-Evolution by Natural Selection
-Leaf Mixture Chromatography
-Modeling DNA
> and 55 more!

-Salmon You Can Count On
-Understanding Biodiversity
-Who's the Daddy?
> and 23 more!

EARTH AND SPACE SCIENCE

-Everybody Talks about It...
-Journaling Your Trash
-Testing the Waters
> and 12 more!

-Holding the Moon in Your Hand
-Moon Mobile
-Shadow Play
> and 3 more!

-Making Mountain Models
-Mini Ice Mountains
-Playing with the Rock Cycle
> and 4 more!

-As the Clouds go Bye
-Reason for the Seasons
-Whimsical Wind Vane
> and 12 more!

-Energy Game
-Modeling Crater Lake
-Solar Spinner
> and 27 more!

-Envelope Gift Bag
-Still Water
-Time for Shadows
> and 30 more!

-Motorized Shake Table
-Solar Jitterbug
-Wind at Work
> and 68 more!

-Be Prepared
-Brazil Nut Effect
-Solar Collector
> and 21 more!

Use these hands-on RAFT activities to engage your students in science and engineering.

Visit www.raft.net to see the full list, download Idea Sheets, and shop for Activity Kits online.

ENGINEERING DESIGN

GRADES K-2

-Car on a Roll
-Rollback Can
-Thinking Like a Real Survivor
> and 4 more!

GRADES 3-5

-Breadboard Circuits
-Retractor Car
-Simple Motor
> and 20 more!

MIDDLE SCHOOL

-Egg Drop
-Glove-a-Phone
-Leonardo's Arched Bridge
> and 19 more!

HIGH SCHOOL

-Brace Yourself
-Roller Coaster Math
-Speaker in a Cup
> and 5 more!