

Scope & Sequence



Switched-On[®]
SCHOOL EDITION 2.0 R²

Switched-On Schoolhouse 2.0 R² 2006 School Edition comes complete with a full, multimedia-enriched curriculum for grades 3–12 (levels 300–1200) in five core subjects and electives. This set of over 50 grade-level subjects resides on a hard drive that you received with the SOS application. The installation section of the reference guide gives you instructions in how you can install these materials on the server you are using to run your SOS school.

The following scope and sequence section provides a detailed list of all assignments by subject, unit, and assignment title, giving you a chance to get a bird's-eye view of the SOS materials available for you to use in putting together your educational program.

The scope and sequence section covers the following:

- Bible 300–1200
- History and Geography 300–1200
- Language Arts 300–1200
- Mathematics 300–1200
- Science 300–1200
- Electives

Additionally, you can view all curriculum subjects from SOS Teacher under Administration/Curriculum Setup.

Science

Third Grade

301 YOU GROW AND CHANGE

L1	Your Body Breathes Air
L1a	The Body Needs Oxygen
L1e	Activity S301A–Breathing Patterns
altL1e2	Activity S301B–Your Lungs
1q	Quiz 1
L2	Your Body Digests Food
L2e	Activity S301C–Taste Test
2q	Quiz 2
L3	Your Body Exercises and Rests
L3e	Activity S301D–Taking Your Pulse
altL3e2	Activity S301E–Bone Numbers
3q	Quiz 3
L4	Your Body is Different from an Animal
4q	Quiz 4
altproj	Special Project S301F
test	TEST
alttest	ALTERNATE TEST

302 PLANTS

L1	Plant Parts
L1e	Activity S302A–Root Hairs
altL1e2	Activity S302B–Study a Stem
1q	Quiz 1
L2	Plant Growth
L2e	Activity S302C–Grow Some Plants
2q	Quiz 2
L3	Plant Changes
L3e	Activity S302D–Watch the Seeds Grow
altL3e2	Activity S302E–Plant a Piece of Potato
altL3e3	Activity S302F–Bean Plant
3q	Quiz 3
altproj	Special Project S302G
test	TEST
alttest	ALTERNATE TEST

303 ANIMALS: GROWTH AND CHANGE

L1	What Changes an Environment
L1e	Activity S303A–Temperature: Hourly
altL1e4	Activity S303B–Water: Heat Energy
altL1e5	Activity S303C–Water: Desert Locations
1q	Quiz 1
L2	How Animals are Different
L2b	Animal Structures
L2e	Activity S303D–Vertebrate Chart
L2a	Eating and Breathing
altL2e2	Activity S303E–Sort Birds by Type
2q	Quiz 2
L3	How do Animals Grow and Change?
L3e	Activity S303F–Sow bug
3q	Quiz 3
altproj	Special Project S303G
test	TEST
alttest	ALTERNATE TEST

304

L1	How to Build a Healthy Body
L1a	How to Build a Healthy Body–2
1q	Quiz 1
L2	How to Plan for Healthy Eating
L3e	Activity S304A–Breakfast Chart
altL3e2	Activity S304B–Lunch Chart
altL3e3	Activity S304C–Dinner Chart
altL3e4	Activity S304D–Chart Totals
2q	Quiz 2
L3	How to Form Good Health Habits
L3a	Caring for the Eyes and Body
3q	Quiz 3
altproj	Special Project S304E
test	TEST
alttest	ALTERNATE TEST

YOU ARE WHAT YOU EAT

305

L1	Chemistry and Robert Boyle
L1e	Activity S305A–Be a Chemist
L2	Properties of Matter
L2e	Activity S305B–Volume
altL2e2	Activity S305C–Think about Mass
altL2e3	Activity S305D–Is Air Matter?
altL2e4	Activity S305E–Matter
altL2e5	Activity S305F–Is Water Matter?
1q	Quiz 1
L3	Physical Changes
L3e	Activity S305G–Mass
altL3e2	Activity S305H–Melting Ice Cubes
L4	Chemical Changes
2q	Quiz 2
altproj	Special Project S305I
test	TEST
alttest	ALTERNATE TEST

PROPERTIES OF MATTER

306

L1	Sounds are Made
L1e	Activity S306A–Vibrations
1q	Quiz 1
L2	Sounds are Different
L2a	How Do Sounds Travel?
L2e	Activity S306B–Sound Patterns
L2e2	Activity S306C–Read about Sound
L2e3	Activity S306D–High and Low Sounds
altL2e5	Activity S306E–Loud or Soft?
2q	Quiz 2
L3	Sounds are Heard
L3e	Activity S306F–Think about Hearing
altL3e2	Activity S306G–How Animals Hear
3q	Quiz 3
altproj	Special Project S306H
test	TEST
alttest	ALTERNATE TEST

SOUNDS AND YOU

Science

307

TIME AND SEASONS

L1	How the Earth Moves
L1e	Experiment S307A–The Earth
L1e2	Experiment S307B–Night
altL1e3	Experiment S307C–Rotation
1q	Quiz 1
L2	Why Time Changes
L2e	Activity S307D–Different Times
altL2e3	Activity S307E–Months
2q	Quiz 2
L3	Why Seasons Change
3q	Quiz 3
altproj	Special Project S307F
test	TEST
alttest	ALTERNATE TEST

308

ROCKS AND THEIR CHANGE

L1	How Rocks are Formed: by Heat
L1a	Rocks Formed by Volcanoes
L2	How Rocks are Formed: by Pressure
L2e	Experiment S308A–Bubbling Grains of Rock
1q	Quiz 1
L3	Rocks are Changed by Wind and Water
L4	Rocks are Changed by Heat and Plants
2q	Quiz 2
L5	Rocks are Used for Building
L5e	Research S308B–Mount Rushmore
L6	Rocks are Used for Enjoyment
3q	Quiz 3
altproj	Special Project S308C
test	TEST
alttest	ALTERNATE TEST

309

HEAT ENERGY

L1	Heat Energy (Part 1)
L1e	Experiment S309A–Feeling Friction
L1e2	Experiment S309B–Oxygen and Fire
L2	Heat Energy (Part 2)
altL1e3	Experiment S309C–Static Electricity
L2e	Experiment S309D–Water Molecules
L2e2	Experiment S309E–Changing Liquid to a Gas
1q	Quiz 1
L3	What Heat Energy Is and Does
L4	Movement of Heat Energy
2q	Quiz 2
L5	Heat Energy Affects Our Lives
3q	Quiz 3
altproj	Special Project S309F
test	TEST
alttest	ALTERNATE TEST

310

REVIEW

L1	Physical Change: Change in Man
L2	Physical Change: Change in Plants
L3	Physical Change: Change in Animals
1q	Quiz 1
L4	The Earth
L5	Seasons and Times
L5e	Project S310A–Rock Collection
2q	Quiz 2
L6	Sounds and Energy
L6e	Experiment S310B–How Sound Travels
L6e2	Experiment S310C–Temperature Comparisons
3q	Quiz 3
altproj	Special Project S310D
test	TEST
alttest	ALTERNATE TEST

Fourth Grade

401

PLANTS

L1	Plant Life
L2	Plants Used As Food and Shelter
altL2e2	Project S401A–Things Made of Wood
altL2e3	Project S401B–Read and Write
L3	Plants Used For Enjoyment and Symbols
L3e	Project S401C–Flowers as State Symbols
altL3e2	Project S401D–Flower Paragraph
1q	Quiz 1
L4	Parts of Plants
L5	How Plant Parts Function
L5e	Experiment S401E–Celery
L6	How Plant Parts Function (Part 2)
L7	How Plant Parts Function (Part 3)
2q	Quiz 2
altproj	Special Project S401F
test	TEST
alttest	ALTERNATE TEST

Science

402 ANIMALS

L1	How Animals are Structured
L2	How Animals Travel: Whales
L2e	Activity S402A–Types of Whales
L3	How Animals Travel: Birds
L4	How Animals Travel: Reptiles and Fish
altL4e	Activity S402B–Writing about Fish
altL4e2	Activity S402C–Observing Fish
L5	How Animals Eat and Digest Food
L6	How Animals Breathe
1q	Quiz 1
L7	How Animals Act: Mammals
L8	How Animals Act: Fish
L9	How Animals Act: Birds
L10	How Animals Act: Insects
L10e	Activity S402D–Honeybee Habits
2q	Quiz 2
L11	How Animals Are Provided For
L12	Man Protects Animals
altL12e	Activity S402E–Animal Scrapbook
3q	Quiz 3
altproj	Special Project S402F
test	TEST
alttest	ALTERNATE TEST

403 MAN AND HIS ENVIRONMENT

L1	Man Depends on God’s Plan: Ecology
altL1e	Activity S403A–Your Environment
L2	Man Depends on God’s Plan: Resources
L3	Man Depends on God’s Plan: Food Chain
L4	Man Depends on God’s Plan: Populations
altL4e	Activity S403B–Populations
L5	Man Depends on God’s Plan: Balance
altL4e2	Activity S403C–Make a Pyramid
altL5e	Activity S403D–Rabbits in Australia
1q	Quiz 1
L6	Man Depends on Communities: Water
altL6e	Experiment S403E–Still Water Life
L7	Man Depends on Communities: Land
L7e	Project S403F–Human Communities
altL7e	Activity S403G–Read and Write
altL7e2	Project S403H–Terrarium or Diorama
altL7e3	Activity S403I–Forest Community
2q	Quiz 2
L8	Man and His Environment: Carelessness
altL8e	Activity S403J–Ask an Expert
altL8e2	Activity S403K–Endangered Species
L9	Man and His Environment: Conservation
altL9e	Activity S403L–How to Save Energy
L10	Man and His Environment: Preservation
altL10e	Project S403M–Special Treasures
3q	Quiz 3
altproj	Special Project S403M
test	TEST
alttest	ALTERNATE TEST

404 MACHINES

L1	Machines Are Needed
altL1e	Activity S404A–Galileo
altL1e2	Experiment S404B–Gravity
L2	Machines Are Needed: Energy
1q	Quiz 1
L3	Simple Machines: Lever
L3e	Experiment S404C–Hammer and Nail
altL3e2	Experiment S404D–Seesaw
L4	Simple Machines: Inclined Plane
altL4e	Experiment S404E–Inclined Plane
L5	Simple Machines: Wedge and Screw
altL5e	Experiment S404F–Screw and Nail
L6	Simple Machines: Wheel and Axle
L7	Simple Machines: Pulleys
altL7e	Experiment S404G–Pulleys
2q	Quiz 2
L8	Compound Machines
3q	Quiz 3
altproj	Special Project S404H
test	TEST
alttest	ALTERNATE TEST

405 ELECTRICITY AND MAGNETISM

L1	Electricity
L1e	Activity S405A–Thomas Edison
L1e2	Experiment S405B–Static Electricity
L2	From Current to Circuit
L2e	Activity S405C–Conductors
altL2e2	Experiment S405D–Wet Cell
altL2e3	Activity S405E–Electric Objects
L3	From Circuit to Service
L3e	Activity S405F–Pre-Fixes, or Fuses in Use
1q	Quiz 1
L4	Magnetism
L4e	Experiment S405G–Use a Magnet
L4e2	Experiment S405H–Make a Magnet
altL4e3	Experiment S405I–Magnet Poles
altL4e4	Experiment S405J–Testing a Magnet
altL4e5	Experiment S405K–Generate Electricity
altL4e6	Experiment S405L–Electromagnet
altL4e7	Activity S405M–Explorers
2q	Quiz 2
altproj	Special Project S405N
test	TEST
alttest	ALTERNATE TEST

Science

406	CHANGES IN WATER
L1	Water
L1e	Experiment S406A–Ice
altL1e2	Experiment S406B–Ice Volume
L2	Water as a Liquid
altL2e2	Experiment S406C–Potato
L3	Water as a Gas
altL3e	Experiment S406D–Forming Dew
L4	Water as a Solvent
L4e	Experiment S406E–Solubility
1q	Quiz 1
L5	Matter
L6	Molecules and Atoms
altL6e	Experiment S406F–Molecules
L7	Elements
2q	Quiz 2
altproj	Special Project S406G
test	TEST
alttest	ALTERNATE TEST

407	WEATHER
L1	Causes of Weather
altL1e	Experiment S407A–Air and Space
L2	Temperature
L2e	Experiment S407B–Temperature
L3	Air Pressure and Movement
L3e	Experiment S407C–Pressure
1q	Quiz 1
L4	Forces and Weather
L5	Sand and Dust Storms
altL5e	Report S407D–Hurricanes
2q	Quiz 2
L6	Prediction of Weather
altL6e	Activity S407E–Thermometers
3q	Quiz 3
altproj	Special Project S407F
test	TEST
alttest	ALTERNATE TEST

408	OUR SOLAR SYSTEM AND THE UNIVERSE
L1	A Trip Through Space
L2	Our Big Universe
L2e	Project S408A–Research
altL2e	Essay S408B–Astronomy
1q	Quiz 1
L3	The Sun and Planets
altL3e	Activity S408C–Ancient People
L4	Movements
altL4e	Activity S408D–Isaac Newton
L5	Heavenly Bodies Around the Sun
L6	Our Moon
L6e	Experiment S408E–Moon Phases
2q	Quiz 2
L7	The Stars and Space
altL7e	Activity S408F–Astrology
L8	Stars We Never See
3q	Quiz 3
altproj	Special Project S408G
test	TEST
alttest	ALTERNATE TEST

409	THE PLANET EARTH
L1	The Air (Atmosphere)
L1e	Experiment S409A–Condensation
L2	Gases in the Atmosphere
1q	Quiz 1
L3	The Water (Hydrosphere)
altL3e	Activity S409B–Psalm 147
L4	Salt Water
altL4e	Experiment S409C–Currents
2q	Quiz 2
L5	The Land (Lithosphere)
L5e	Experiment S409D–Shadows
L6	Earth’s Land Formations
L7	Earth’s Rotation and Revolution
3q	Quiz 3
altproj	Special Project S409E
test	TEST
alttest	ALTERNATE TEST

Science

410 UNDERSTANDING GOD'S WONDERFUL CREATION

L1	God's Creation: The Solar System
L2	God's Creation: The Earth
1q	Quiz 1
L3	God's Changing World: Matter
L4	God's Changing World: Water
L5	God's Changing World: Weather
altL5e	Project S410A–Weather Scrapbook
2q	Quiz 2
L6	Man's Creative Ability
altL6e	Activity S410B–Thomas Alva Edison
L7	Using Nature's Materials
3q	Quiz 3
L8	Man's Changing Environment
L9	Conservation
altL9e	Report S410C–Passenger Pidgeon
4q	Quiz 4
altproj	Special Project
test	TEST
alttest	ALTERNATE TEST

Fifth Grade

501 CELLS

L1	Living Units
L1e2	Experiment S501A–Skin Cells
altL1e	Report S501B–Robert Hooke
L2	General Cell Composition
1q	Quiz 1
L3	Structure and Function of Cells: Plants
altL3e	Experiment S501C–Beans
altL3e2	Experiment S501D–Onion Cells
L4a	Structure and Function of Cells: Protozoa
L4	Structure and Function of Cells: Animals
altL4e	Experiment S501E–Pond Water
L5	Structure and Function of Cells: Tissue
altL5e	Project S501F–Be Creative
altL5e2	Essay S501G–Explain Cells
2q	Quiz 2
L6	Energy of Cells
L7	Reproduction of Cells
altL7e	Experiment S501H–Blood Cells
altL7e2	Experiment S501I–Stem
altL7e3	Experiment S501J–Cheek Cells
3q	Quiz 3
altproj	Special Project S501K
test	TEST
alttest	ALTERNATE TEST

502

L1	Seed Bearing Plants: Life Stages
L2	Seed Bearing Plants: Flowering Plants
L2e	Experiment S502A–Flower Dissection
altL2e	Project S502B–Draw Flowers
altL2e3	Experiment S502C–Seed Dissection
L3	Seed Bearing Plants: Cone Bearing Plants
altL3e	Experiment S502D–Cones
altL3e2	Project S502E–Seed Hunt
1q	Quiz 1
L4	Spore Bearing Plants: Life Stages
L5	Spore Bearing Plants: Ferns
altL5e	Project S502F–Walking Fern
L6	Fungi
altL6e	Experiment S502G–Mold
altL6e4	Project S502H–Uses of Fungi
2q	Quiz 2
L8	One-celled Fungi: Yeasts
L7	Algae
3q	Quiz 3
altproj	Special Project S502I
test	TEST
alttest	ALTERNATE TEST

503

ANIMALS: LIFE CYCLES

L1	Invertebrates: Life Cycles
L2	One-Celled Organisms
altL2e	Report S503A–Protozoa
L3	Multi-Cellular Invertebrates
altL3e	Experiment S503B–Mealworm
altL3e2	Project S503C–The Spider
altL3e3	Report S503D–Insect Study
L4	Worms and Mollusks
1q	Quiz 1
L5	Vertebrates: Life Cycles
L6	Egg-Laying Vertebrates
L7	Egg-Laying Vertebrates (Part 2)
L8	Egg-Laying Vertebrates (Part 3)
altL8e	Experiment S503E–Chicken Egg
L9	Live-Bearing Vertebrates
altL9e	Project S503F–Mammal Report
altL9e2	Project S503G–God and Animals
2q	Quiz 2
altproj	Special Project S503H
test	TEST
alttest	ALTERNATE TEST

Science

504

THE WEB OF LIFE

L1	Balance of Nature: Life Needs
L2	Balance of Nature: Other Cycles
altL2e	Project S504A–The Carbon Cycle
L3	Mineral Cycle
altL3e	Project S504B–Cycles
L4	Balance of Nature: Dependence
altL4e	Project S504C–Food Chain
altL4e2	Project S504D–Build a Terrarium
altL4e3	Project S504E–Terrarium Check
1q	Quiz 1
L5	The Prairie Web of Life
altL5e	Project S504F–Prairie Land
L6	The Prairie Web of Life (Part 2)
altL6e	Report S504G–Prairie Birds
L7	The Prairie Web of Life: Food Chains
altL7e	Project S504H–Prairie Food Chain
altL7e2	Project S504I–Special Environments
2q	Quiz 2
L8	Humans and the Web of Life
L9	Humans and the Web of Life (Part 2)
3q	Quiz 3
altop	Optional Project S504J
altproj	Special Project S504K
test	TEST
alttest	ALTERNATE TEST

505

TRANSFORMATION OF ENERGY

L1	Energy
L3	Work
L2	Forms of Energy
1q	Quiz 1
L4	Work From Energy
L5	Sources of Heat Energy
altL5e	Experiment S505A–Paper Clip
altL5e2	Experiment S505B–Heat Energy
L6	Sources of Heat Energy (Part 2)
altL6e	Experiment S505C–Chemical Energy
2q	Quiz 2
L7	Chemical Energy
L8	Energy Change
3q	Quiz 3
L9	Present Energy Concerns
L10	Future Sources
L11	Future Sources (Part 2)
altL11e	Project S505D–Energy
altL11e2	Experiment S505E–Sunlight
altL11e3	Project: Survey
4q	Quiz 4
altproj	Special Project S505F
test	TEST
alttest	ALTERNATE TEST

506

RECORDS IN THE ROCK

L1	Before the Flood
L2	Man Before the Flood
L3	Physical Records Before the Flood
altL3e	Project S506A–Compare/Contrast
1q	Quiz 1
L4	The Flood
altL4e	Project S506B–Noah
L5	Physical Records of the Flood
altL5e	Project S506C–Science and the Bible
altL5e2	Project S506D–Ancient Flood Stories
2q	Quiz 2
L6	After the Flood
L7	Physical Records After the Flood
L8	Glaciers and Other Forces
altL8e	Project S506E–Glaciers
3q	Quiz 3
altproj	Special Project S506F
test	TEST
alttest	ALTERNATE TEST

507

RECORDS IN THE ROCK: FOSSILS

L1	Fossil Formation
L1e	Experiment S507A–Fossils
altL1e	Experiment S507B–Cast Fossil
L2	Fossil Formation: More Fossil Types
L3	Fossil Formation: Location
L4	Fossil Formation: Local Deposits
altL4e	Project S507C–Look for Fossils
1q	Quiz 1
L5	Reading Fossils: Identification
L6	Reading Fossils: Animal Fossils
L7	Reading Fossils: Animal Fossils (Part 2)
altL7e	Project S507D–Activities
L8	Reading Fossils: Difficulties
altL8e	Project S507E–Fossil Clues
L9	Reading Fossils: Reconstruction
altL9e	Project S507F–Label the Skeleton
altL9e2	Project S507G–Be Creative
L10	Scientific Inquiry
2q	Quiz 2
altproj	Special Project S507H
test	TEST
alttest	ALTERNATE TEST

Science

508 RECORDS IN ROCK: GEOLOGY

L1	Features of the Earth
L2	Landforms
altL2e	Experiment S508A–Orange
L3	Layers of the Earth
L4	Layers of the Earth (Part 2)
L5	Rocks on the Earth’s Surface
altL5e	Project S508B–Examine a Mineral
L6	Kinds of Rocks
L7	Identifying Rocks
altL7e	Project S508C–Use the Library
altL7e2	Project S508D–Go on a Rock Hunt
1q	Quiz 1
L8	Surface Forces
L9	Surface Forces (Part 2)
altL9e	Experiment S508E–Erosion
L10	Living Things
L11	Forces From Under the Surface
L12	Forces From Under the Surface (Part 2)
altL12e	Project S508F–Volcano Summary
L13	Results of Forces
2q	Quiz 2
altproj	Special Project S508G
test	TEST
alttest	ALTERNATE TEST

509 CYCLES IN NATURE

L1	Matter: Properties of Matter
L2	Matter: Properties of Matter (Part 2)
L2e	Experiment S509A–Volume
L3	Matter: Changes in Matter
altL3e	Experiment S509B–Water Container
altL3e2	Experiment S509C–Types of Changes
L4	Matter: Conservation
L5	Structure of Matter
altL5e	Experiment S509D–Conservation of Matter
altL5e2	Project S509E–Use the Library
1q	Quiz 1
L6	Other Natural Cycles: Seasons
L7	Causes
altL7e	Project S509F–Globe
L8	Other Natural Cycles: Comets
L9	Cycles of Comets
altL9e	Project S509G–Use the Library
L10	Other Natural Cycles: Life
L11	Water, Carbon and Mineral Cycles
altL11e	Experiment S509H–Evaporation
2q	Quiz 2
altproj	Special Project S509I
test	TEST
alttest	ALTERNATE TEST

510 LOOK AHEAD

L1	Living Things: Plant Life
L2	Living Things: Plants and Fungi
altL2e	Experiment S510A–Budding
L3	Living Things: Animal Life
altL3e	Project S510B–Use the Library
L4	Living Things: Animals and Protozoa
altL4e	Project S510C–Organism List
L5	Living Things: Balance of Life
altL5e	Project S510D–Use the News
1q	Quiz 1
L6	The Earth: Record of Life
L7	The Earth: Fossils
L8	The Earth: Records of Rock
L9	The Earth: Changes in the Earth
altL9e	Project S510E–Land Forms
2q	Quiz 2
L10	Order: Energy
L11	Order: Work
altL11e	Project S510F–Make A Collage
L12	Order: Matter
3q	Quiz 3
altproj	Special Project S510G
test	TEST
alttest	ALTERNATE TEST

Sixth Grade

601 PLANT SYSTEMS

L1	Photosynthesis: Location
L1e	Experiment S601A–Anacharis
L2	Photosynthesis: The Leaf Factory
L2e	Experiment S601B–Seeds
L3	Photosynthesis: Products
L3e	Experiment S601C–Digestive Enzymes
L4	Photosynthesis: Origin
L5	Investigation
1q	Quiz 1
L6	Transport System: Roots
L6e	Experiment S601D–Root Observation
L7	Transport System: Stems
L7e	Experiment S601E–Celery
2q	Quiz 2
L8	Regulatory System
altL8e	Experiment S601F–Growing Roots
3q	Quiz 3
altproj	Special Project S601G
test	TEST
alttest	ALTERNATE TEST

Science

602

ANIMAL SYSTEMS

L1	Digestive System: Structure
L2	Digestive System: Function
L2e	Experiment S602A–Digestion
L3	Intestines
L3e	Experiment S602B–Oil and Soap
L3e2	Experiment S602C–Passing Food
1q	Quiz 1
L4	Excretory System: Blood Circulation
L4e	Experiment S602D–Pulse Rate
altL4e2	Experiment S602E–Heart
L5	Excretory System: Lungs
L5e	Experiment S602F–Carbon Dioxide
altL5e2	Experiment S602G–Lungs
L5e3	Experiment S602H–Evaporation
2q	Quiz 2
L6	Skeletal System: Muscles
L7	Skeletal System: Bones
altq	Quiz: Bone Quiz
3q	Quiz 3
altproj	Special Project S602I
test	TEST
alttest	ALTERNATE TEST

603

PLANTS AND ANIMAL BEHAVIOR

L1	Animal Behavior: The Nervous System
L1e	Project S603A–The Eye
L1e2	Project S603B–The Ear
L2	Nerves and Spinal Column
L3	Animal Behavior: Response and Intelligence
altL3e	Essay S603C–Instincts
L3e2	Experiment S603D–Response
altL3e3	Experiment S603E–Trial and Error
1q	Quiz 1
L4	Plant Behavior
L4a	Tropisms
2q	Quiz 2
L5	Biomes
L6	Aquatic Biomes
L7	Food Chain
L8	Cycles
altL8e	Essay S603G–Man’s Influence
3q	Quiz 3
altproj	Special Project S603H
test	TEST
alttest	ALTERNATE TEST

604

MOLECULAR GENETICS

L1	Reproduction: Flowers
altL1e	Experiment S604A–Flower Structure
L2	Reproduction: Male–Female
altL2e	Experiment S604B–Embryo Formation
1q	Quiz 1
L3	Inheritance: Mendel/Punnett Square
altL3e	Experiment S604C–Mendel’s Discovery
L4	Inheritance: Taste/Dominance/Multiple Genes
L4e	Experiment S604D–Taste Test
altL4e2	Project S604E–Traits
2q	Quiz 2
L5	DNA, Mutations, and Environment
altL5e	Experiment S604F–Albinos
altL5e2	Project S604G–Genetics
L6	More About Mutations
altL6e	Experiment S604H–Seed or Seedless
L7	The Use of Mutations
altL7e	Experiment S604I–Pea Pod
L8	Historical Genetics
L9	The Mystery of Fossils
3q	Quiz 3
altproj	Special Project S604J
test	TEST
alttest	ALTERNATE TEST

605

CHEMICAL STRUCTURE AND CHANGE

L1	Nature of Matter: Description
L2	States of Matter
L2e	Experiment S605A–Solid, Liquid, Gas
L3	Molecules and Compounds
L3e	Experiment S605B–Make a Compound
L3e2	Experiment S605C–Limewater
1q	Quiz 1
L4	Periodic Table
L4e	Project S605D–Water Molecule Model
L5	Atomic Number
altL5e	Project S605E–Atomic Number
L6	Arrangement of the Periodic Table
L6e	Project S605F–Elements and Symbols
2q	Quiz 2
L7	Chemical Change: Diagrams of Atoms
altL7e	Project S605G–Chart and Diagram
altL7e2	Project S605H–Report
L8	Chemical Change: Acids and Bases
L8e	Experiment S605I–Acid or Base?
altL8e2	Project S605J–From Memory
altL8e3	Experiment S605K–Cause and Effect
altL8e4	Game S605L–Chemical Symbols
altL8e5	Project S605M–Discussion
3q	Quiz 3
altproj	Special Project S605N
test	TEST
alttest	ALTERNATE TEST

Science

606	LIGHT AND SOUND
L1	Waves: Sound and Light
L1e	Experiment S606A–Test Tube Tunes
L1e2	Experiment S606B–Light Waves
L1e3	Experiment S606C–Sound Vibrations
L2	Waves: The Speed of Light
L2e	Experiment S606D–Refracted Light
1q	Quiz 1
L3	The Spectrum
L3e	Experiment S606E–Make a Spectrum
altL3e2	Experiment S606F–Make a Rainbow
2q	Quiz 2
L4	Colors
L4e	Project S606G–Make a Color Wheel
L4e2	Experiment S606H–What Color Is It?
altL4e3	Experiment S606I–Flashlight Colors
L5	Mixing Colors
altL5e	Experiment S606J–Mixing Food Coloring
3q	Quiz 3
altproj	Special Project S606K
test	TEST
alttest	ALTERNATE TEST

607	MOTION AND ITS MEASUREMENT
L1	Definition of Force
L2	Measurement of Work
altL2e	Experiment S607A How Much Work?
L2e2	Project S607B Unscramble Activity
1q	Quiz 1
L3	Rate of Doing Work
altL3e	Report S607C–Activities
altL3e2	Experiment S607D–Stairs
L4	Newton’s Laws of Motion
L4e	Experiment S607E–Law of Inertia
2q	Quiz 2
L5	Change in Motion
3q	Quiz 3
altproj	Special Project S607F
test	TEST
alttest	ALTERNATE TEST

608	SPACESHIP EARTH
L1	Earth’s Motion and Shape
altL1e1	Experiment S608A–Balloon Globe
L1a	Earth’s Surface
L2	Earth’s Rotation
L3	Earth’s Revolution
L3e	Experiment S608B–Observing Shadows
L4	Time
1q	Quiz 1
L5	Eclipses
L5e	Project S608C–Fact or Opinion
altL5e2	Experiment S608D–Making Eclipses
2q	Quiz 2
L6	Our Solar System
altL6e	Project S608E–Planets
L7	Asteroids, Comets, and Meteors
3q	Quiz 3
altproj	Special Project S608F
test	TEST
alttest	ALTERNATE TEST

609	THE SUN AND OTHER STARS
L1	The Sun: History
altL1e1	Essay S609A–Scientists
L2	The Sun: Description and Location
1q	Quiz 1
L3	Stars: Colors and Temperatures
L4	Stars: Elements and Spectra
altL4e1	Experiment S609B–Make a Spectroscope
altL4e2	Experiment S609C–Spectrography
altL4e3	Experiment S609D–Oil on Water
L5	Stars: Magnitude and Luminosity
L6	Stars: Light Years and Astronomical Units
2q	Quiz 2
L7	Common Stars and Constellations
L7e	Experiment S609E–Try this Game
altL7e2	Experiment S609F–Sketch
3q	Quiz 3
altproj	Special Project S609G
test	TEST
alttest	ALTERNATE TEST

Science

610	REVIEW
L1	The Photosynthesis System
L2	The Transport System of Plants
L3	Systems of Man and Animal
L4	The Excretory System
L5	Skeletal and Nervous Systems
L6	The Nervous System
L7	Genetics and Reproduction
L8	Ecological Systems
altL8es	Project S610A–Reading Assignment
1q	Quiz 1
L9	Physics and Chemistry: Light
L10	Physics and Chemistry: Sound
L11	Physics and Chemistry: Motion
L12	Physics and Chemistry: Machines
L13	Physics and Chemistry: Matter
2q	Quiz 2
L14	Earth’s Rotation
L15	Earth’s Revolution
L16	The Stars
3q	Quiz 3
altproj	Special Project S610B
test	TEST
alttest	ALTERNATE TEST

Seventh Grade

701	WHAT IS SCIENCE?
L1	Tools of a Scientist 1
L2	Tools of a Scientist 2
1q	Quiz 1
L3	Methods of a Scientist 1
L4	Methods of a Scientist 2
2q	Quiz 2
L5	The Scientist
L6	The Four Major Areas of Science
3q	Quiz 3
L7	Careers in Science
4q	Quiz 4
altproj	Special Project S701A
test	TEST
alttest	ALTERNATE TEST
702	PERCEIVING THINGS
L1	Measurement: The Metric System
L2	Measurement: Size and Distance
L3	Measurement: Area
L4	Measurement: Volume
L5	Measurement: Mass
1q	Quiz 1
L6	Graphs: Uses, Bar, and Line
L7	Graphs: Pictographs and Pie Charts
L7e	Experiment S702A–Making Graphs
2q	Quiz 2
altproj	Special Project S702B
test	TEST
alttest	ALTERNATE TEST

703	EARTH IN SPACE (PART 1)
L1	Stargazing
L2	Star Charts
L2e	Experiment S703A–Constellations
1q	Quiz 1
L3	Astronomy
altL3e	Experiment S703B–Astrolabe
2q	Quiz 2
L4	Astronomers
altL4ess	Essay S703C–Galileo
3q	Quiz 3
altproj	Special Project S703D
test	TEST
alttest	ALTERNATE TEST

704	EARTH IN SPACE (PART 2)
L1	The Sun’s Energy
1q	Quiz 1
L2	The Sun’s Family
L3	Outer Planets
L4	Asteroids
2q	Quiz 2
L5	The Moon
3q	Quiz 3
L6	Eclipses
4q	Quiz 4
altproj	Special Project S704A
test	TEST
alttest	ALTERNATE TEST

705	THE ATMOSPHERE
L1	Structure of the Atmosphere
L2	Solar Effects
L2e	Experiment S705A–The Greenhouse
1q	Quiz 1
L3	Natural Cycles
2q	Quiz 2
L4	Pollution
3q	Quiz 3
altproj	Special Project S705B
test	TEST
alttest	ALTERNATE TEST

706	WEATHER
L1	Elements of Weather
L1e	Experiment S706A–Dew Point
L2	Wind
L3	Pressure
1q	Quiz 1
L4	Weather in Motion
L5	Fronts
2q	Quiz 2
L6	Weather Forecasting
3q	Quiz 3
altproj	Special Project S706B
test	TEST
alttest	ALTERNATE TEST

Science

707	CLIMATE
L1	Climate: General
1q	Quiz 1
L2	Climate: Worldwide
2q	Quiz 2
L3	Climate: Regional
L4	Climate: Regional (Part 2)
3q	Quiz 3
altproj	Special Project S707A
test	TEST
alttest	ALTERNATE TEST

708	THE HUMAN ANATOMY (PART 1)
L1	Human Building Blocks
L1e	Experiment S708A–Cheek Cell
1q	Quiz 1
L2	Human Framework
L3	Skin
2q	Quiz 2
L4	Human Nervous System
altL4e	Project S708B–Human Brain
L5	Senses
3q	Quiz 3
altproj	Special Project S708C
test	TEST
alttest	ALTERNATE TEST

709	THE HUMAN ANATOMY (PART 2)
L1	The Respiratory System
1q	Quiz 1
L2	The Circulatory System
L2e	Experiment S709A–Heart Rate
2q	Quiz 2
L3	The Digestive System
L4	The Small Intestine
3q	Quiz 3
L5	The Excretory System
4q	Quiz 4
L6	The Endocrine System
5q	Quiz 5
altproj	Special Project S709B
test	TEST
alttest	ALTERNATE TEST

710	REVIEW
L1	Scientists at Work
L1e	Experiment S710A–Red Celery
L2	Famous Scientists
1q	Quiz 1
L3	The Astronomer at Work
L4	Planets
2q	Quiz 2
L5	The Meteorologist at Work
L6	Studying the Weather
L7	Studying Climates
3q	Quiz 3
L8	The Medical Scientist at Work
L9	Nervous and Endocrine Systems
L10	Circulatory and Respiration Systems
L11	Digestive and Excretory Systems
4q	Quiz 4
altproj	Special Project S710B
test	TEST
alttest	ALTERNATE TEST

Eighth Grade

801	SCIENCE AND SOCIETY
L1	Science Today
L2	Post–Renaissance Science
L2e	Essay S801A–Mendel
1q	Quiz 1
L3	Today's Scientist
2q	Quiz 2
L4	Science and Technology
altL4e	Essay S801B–Da Vinci
L5	Limitations
3q	Quiz 3
altproj	Special Project S801C
test	TEST
alttest	ALTERNATE TEST

802	STRUCTURE OF MATTER (PART 1)
L1	Properties of Matter (1)
L1e	Experiment S802A–Determining Volume
altL1e	Experiment S802B–Metric Measurements
L2	Properties of Matter (2)
1q	Quiz 1
L3	Atoms and Molecules
L4	Molecules
2q	Quiz 2
L5	Elements
L6	Compounds
L7	Mixtures
L7e	Experiment S802C–Mixtures
3q	Quiz 3
altproj	Special Project S802D
test	TEST
alttest	ALTERNATE TEST

Science

803	STRUCTURE OF MATTER (PART 2)
L1	Matter and Change
L1e	Experiment S803A–Phase Changes
L2	Solutions
L3	Chemical Changes
L3e	Experiment S803B–Forms of Change
L4	Nuclear Changes
1q	Quiz 1
L5	Acids
2q	Quiz 2
L6	Bases
L6e	Experiment S803C–Cabbage
3q	Quiz 3
L7	Salts
4q	Quiz 4
altproj	Special Project S803D
test	TEST
alttest	ALTERNATE TEST

804	HEALTH AND NUTRITION
L1	Foods and Digestion
1q	Quiz 1
L2	Diet
L2e	Experiment S804A–Food Record
2q	Quiz 2
L3	Nutritional Diseases
L3e	Essay S804B–Nutrition
3q	Quiz 3
L4	Hygiene
4q	Quiz 4
altproj	Special Project S804C
test	TEST
alttest	ALTERNATE TEST

805	ENERGY (PART 1)
L1	Mechanical Energy
L2	Potential Energy
1q	Quiz 1
L3	Other Forms of Energy
L4	Chemical Energy
L5	Atomic Energy
2q	Quiz 2
L6	Energy Conversion and Entropy
altL6ess	Essay S805A–Entropy
3q	Quiz 3
altproj	Special Project S805B
test	TEST
alttest	ALTERNATE TEST

806	ENERGY (PART 2)
L1	Magnetism
L1e	Experiment S806A–Magnetism
L2	Electricity and Magnetism
1q	Quiz 1
L3	Electricity
L4	Electrical Circuits
2q	Quiz 2
L5	Energy for the Future
altL5e	Experiment S806B–Hot Dog Cooker
3q	Quiz 3
altproj	Special Project S806C
test	TEST
alttest	ALTERNATE TEST

807	MACHINES (PART 1)
L1	Distance
L1essay	Essay S807A–Scientists
L2	Measuring Distance
1q	Quiz 1
L3	Force
L4	Force Vectors
2q	Quiz 2
L5	Work
L6	Work and Energy
3q	Quiz 3
altproj	Special Project S807B
test	TEST
alttest	ALTERNATE TEST

808	MACHINES (PART 2)
L1	Friction
L1a	Types of Friction
L2e	Experiment S808A–Friction Investigation
1q	Quiz 1
L2	Levers
2q	Quiz 2
L3	Wheel and Axle, Pulleys, and Gears
altL3e	Experiment S808B–Pencil Sharpener
3q	Quiz 3
L4	Inclined Plane, Wedge, and Screw
4q	Quiz 4
altproj	Special Project S808C
test	TEST
alttest	ALTERNATE TEST

Science

809	BALANCE IN NATURE
L1	Photosynthesis and Food
L2	Food
1q	Quiz 1
L3	Natural Cycles
L4	The Water Cycle
2q	Quiz 2
L5	Balance and Disruption
L6	Resources
3q	Quiz 3
altproj	Special Project S809A
test	TEST
alttest	ALTERNATE TEST

810	SCIENCE AND TECHNOLOGY
L1	Basic Science
L2	Characteristics of Matter
L3	Matter in Change
1q	Quiz 1
L4	Energy
L5	Chemical and Atomic Energy
L6	Magnetism and Electricity
L7	Machines at Work
2q	Quiz 2
L8	Life Science
3q	Quiz 3
L9	Vocations in Science and Technology
4q	Quiz 4
altproj	Special Project S810A
test	TEST
alttest	ALTERNATE TEST

Ninth Grade

901	OUR ATOMIC WORLD
L1	Structure of Matter
1q	Quiz 1
L2	Radioactivity
2q	Quiz 2
L3	Atomic Nuclei
3q	Quiz 3
L4	Nuclear Energy
L4e	Experiment S901A–Reactors
4q	Quiz 4
L5	Applications and Environmental Hazards
5q	Quiz 5
altproj	Special Project S901B
test	TEST
alttest	ALTERNATE TEST

902	VOLUME, MASS, AND DENSITY
L1	Volume
L1e	Experiment S902A–Determining Volume
1q	Quiz 1
L2	Mass
L2e	Experiment S902B–Mass of Gas
2q	Quiz 2
L3	Density
3q	Quiz 3
altproj	Special Project S902C
test	TEST
alttest	ALTERNATE TEST

903	PHYSICAL GEOLOGY
L1	Earth Structures
L2	Internal Structures
L3	Igneous Structures
L3essay	Essay S903A–Volcanic Eruptions
L4	Mountains
1q	Quiz 1
L5	Earth Changes
L6	Erosion and Sediment
L7	Oceans
2q	Quiz 2
L8	Earth Movements
L8e	Experiment S903B–Specific Gravity
L8e2	Experiment S903C–Gravity
L9	Plate Tectonics
3q	Quiz 3
altproj	Special Project S903D
test	TEST
alttest	ALTERNATE TEST

904	HISTORICAL GEOLOGY
L1	An Observational Science
L2	Sedimentary Rock
L3	Fossils
L4	Crustal Changes
1q	Quiz 1
L5	Measuring Time
L6	Absolute Time
2q	Quiz 2
altproj	Special Project S904A
test	TEST
alttest	ALTERNATE TEST

Science

905	OCEANOGRAPHY
L1	Chronology and Techniques for Investigation
L2	Major Discoveries and Submersible Research
L1e1	Essay S905A–The Moon and Tides
1q	Quiz 1
L3	Geological Structure and Results of Profiling
L4	Turbidity, Sedimentation, and Currents
2q	Quiz 2
L5	Biology of the Ocean
L6	Chemistry of the Ocean
L7	Physical Properties of the Ocean
L7e1	Essay S905B–Marine Report
3q	Quiz 3
altproj	Special Project S905C
test	TEST
alttest	ALTERNATE TEST

906	ASTRONOMY
L1	Presuppositions
L2	Extent of the Universe
L3	Constellations
L3a	Measuring the Universe
1q	Quiz 1
L4	Gathering Light and Types of Telescopes
L5	Other Types of Telescopes
L5e1	Essay S906A–Telescopes
2q	Quiz 2
L6	Space Explorations
3q	Quiz 3
altproj	Special Project S906B
test	TEST
alttest	ALTERNATE TEST

907	BODY HEALTH (PART 1)
L1	Microorganisms
L2	Categories of Pathogenic Organisms
L3	Characteristics of Infectious Diseases
L3essay	Essay S907A–Medical Science
1q	Quiz 1
L4	Digestive Infections
L5	Respiratory Infections
L6	Nervous System Infections
2q	Quiz 2
L7	Common Viral Infections
L8	Childhood Viral Infections
L9	More Serious Viral Infections
3q	Quiz 3
L10	Protozoan Infections
L11	Rickettsial Infections
L12	Fungal Infections
4q	Quiz 4
altproj	Special Project S907B
test	TEST
alttest	ALTERNATE TEST

908	BODY HEALTH (PART 2)
L1	Body Defense Mechanisms
L2	Medical Drugs
L2e1	Essay S908A–Chemotherapy
1q	Quiz 1
L3	Environmental Conditions
L4	Medical Advances and Total Health
2q	Quiz 2
L5	Governmental Agencies and Volunteer
Groups	
L6	Medical and Drug Control Organizations
3q	Quiz 3
altproj	Special Project S908B
test	TEST
alttest	ALTERNATE TEST

909	SCIENCE AND TOMORROW
L1	Ecology
L2	Agriculture and Waste
L3	Population
1q	Quiz 1
L4	Energy Sources
L5	Debate: Fossil Fuels, Nuclear/Natural Power
L6	Industry, Transportation, and Urbanization
2q	Quiz 2
L7	Outer Space
L8	Inner Space and Self Exploration
3q	Quiz 3
altproj	Special Project S909A
test	TEST
alttest	ALTERNATE TEST

910	REVIEW
L1	Nuclear Power
L2	The Metric System
1q	Quiz 1
L3	Weight vs. Mass
2q	Quiz 2
L4	Deposition vs. Erosion
L5	The Oceans, Continents; Earth in Space
3q	Quiz 3
L6	Practical Health
L7	Population and Environment
4q	Quiz 4
altproj	Special Project S910A
test	TEST
alttest	ALTERNATE TEST

Tenth Grade

1001 TAXONOMY: KEY TO ORGANIZATION

L1	The History of Taxonomy
1q	Quiz 1
L2	Binomial Nomenclature
L3	Concept of Species
2q	Quiz 2
L4	Plant and Animal Classification
L4e	Experiment S1001A–Fruit
altL4e2	Activity S1001B–Keying Plants
altL4e3	Activity S1001C–Keying Animals
L5	Search For A System
3q	Quiz 3
L6	Taxonomy and Origins
L7	Models of Origin
L7e	Project S1001D–Research
altL7e2	Project S1001E–Origins
4q	Quiz 4
altproj	Special Project S1001F
test	TEST
alttest	ALTERNATE TEST

1002 BASIS OF LIFE

L1	Molecular Basis of Life
1q	Quiz 1
L2	Properties of Compounds
L2e	Experiment S1002A–Static Electricity
L3	Covalent Bonding
altL3e	Experiment S1002B–Temperature
L4	Importance of Inorganic Compounds
L4e	Experiment S1002C–Water Properties
altL4e	Experiment S1002D–Indicators
2q	Quiz 2
L5	Chemical Reactions
3q	Quiz 3
L6	Organic Compounds
L7	Carbohydrates
altL7e	Experiment S1002E–Starch
L8	Lipids
L9	Nucleic Acids
4q	Quiz 4
L10	Enzymes
altL10e	Experiment S1002F–Digestion
5q	Quiz 5
altproj	Special Project S1002G
test	TEST
alttest	ALTERNATE TEST

1003

L1a	Microbial Taxonomy
L1	The Microscope
L1e	Experiment S1003A–Microscope
1q	Quiz 1
L2	Protista: The Protozoa
L2e	Experiment S1003B–Protozoan
altL2e	Experiment S1003C–Amoeba
L3	Flagellated Protozoa
altL3e	Experiment S1003D–The Euglena
L4	Economic Significance of the Protozoa
2q	Quiz 2
L5	Protista: The Algae
altL5e	Experiment S1003E–Algae
altL5e1	Project S1003F–Water Investigation
L6	Protista: Fire Algae
3q	Quiz 3
L7	The Fungi
L7e	Experiment S1003G–Fungi
L8	The Monera
L9	The Rickettsias
altop	Experiment S1003H–Algae Observations
4q	Quiz 4
altproj	Special Project S1003I
test	TEST
alttest	ALTERNATE TEST

1004

L1	The Cell–An Introduction
L1e	Experiment S1004A–Cheek Cells
altL1e	Experiment S1004B–Onion Cells
1q	Quiz 1
L2	Cell Design
L3	Cell Membrane Function
L3e	Experiment S1004C–Osmosis
L4	Organelles
L5	Production of Needed Material
2q	Quiz 2
L6	Cells in Organisms
altL6e	Experiment S1004D–Tissues
3q	Quiz 3
altproj	Special Project S1004E
test	TEST
alttest	ALTERNATE TEST

MICROBIOLOGY

L1a	Microbial Taxonomy
L1	The Microscope
L1e	Experiment S1003A–Microscope
1q	Quiz 1
L2	Protista: The Protozoa
L2e	Experiment S1003B–Protozoan
altL2e	Experiment S1003C–Amoeba
L3	Flagellated Protozoa
altL3e	Experiment S1003D–The Euglena
L4	Economic Significance of the Protozoa
2q	Quiz 2
L5	Protista: The Algae
altL5e	Experiment S1003E–Algae
altL5e1	Project S1003F–Water Investigation
L6	Protista: Fire Algae
3q	Quiz 3
L7	The Fungi
L7e	Experiment S1003G–Fungi
L8	The Monera
L9	The Rickettsias
altop	Experiment S1003H–Algae Observations
4q	Quiz 4
altproj	Special Project S1003I
test	TEST
alttest	ALTERNATE TEST

CELLS

L1	The Cell–An Introduction
L1e	Experiment S1004A–Cheek Cells
altL1e	Experiment S1004B–Onion Cells
1q	Quiz 1
L2	Cell Design
L3	Cell Membrane Function
L3e	Experiment S1004C–Osmosis
L4	Organelles
L5	Production of Needed Material
2q	Quiz 2
L6	Cells in Organisms
altL6e	Experiment S1004D–Tissues
3q	Quiz 3
altproj	Special Project S1004E
test	TEST
alttest	ALTERNATE TEST

Science

1005	PLANTS: GREEN FACTORIES
L1	How is a Plant Made?
L2	Parts of the Plant Cell
L3	Anatomy and Morphology
1q	Quiz 1
L4	How do Plants Grow?
L4e	Experiment S1005A–Seeds
L5	Developmental Anatomy
2q	Quiz 2
L6	How do Plants Work?
L7	Photosynthesis: A Closer Look
altL7e	Experiment S1005B–Terrarium
L8	Respiration
3q	Quiz 3
L9	How do Plants Help People?
4q	Quiz 4
altproj	Special Project S1005C
test	TEST
alttest	ALTERNATE TEST
1006	HUMAN ANATOMY AND PHYSIOLOGY
L1	Digestive System
L2	Excretory System
L3	Respiratory System
L4	Circulatory System
L5	The Heart
L5e	Experiment S1006A–Heart Rate
1q	Quiz 1
L6	Body Framework
L7	Muscular System
altL7e	Experiment S1006B–Muscle Types
L8	Reproductive System
2q	Quiz 2
L9	Environmental Interactions
L10	Sensory Systems: The Eye
L11	Sensory Systems: Hearing, Taste, Touch
L12	Endocrine System
L13	Immune System and Disease
3q	Quiz 3
altproj	Special Project S1006C
test	TEST
alttest	ALTERNATE TEST

1007	GENETICS: GOD’S PLAN OF INHERITANCE
L1	Genetics: God’s Plan of Inheritance
L2	Probabilities
L2e	Experiment S1007A–Probability
L3	Cross Predictions
L4	Application of Mendelian Genetics
1q	Quiz 1
L5	Chromosome Basis of Heredity
L6	Chromosomes in Meiosis
L7	Sex Chromosomes
2q	Quiz 2
L8	Molecular Genetics
L8e	Experiment S1007B–Molecular Genetics
3q	Quiz 3
L9	Human Genetics
L10	Factors Studied
L11	Inherited Diseases
4q	Quiz 4
altproj	Special Project S1007C
test	TEST
alttest	ALTERNATE TEST
1008	CELL DIVISION AND REPRODUCTION
L1	Cell Division
L2	Meiosis
L3	Stages of Mitosis
L3e	Experiment S1008A–Mitosis
1q	Quiz 1
L4	Asexual Reproduction
altL4e	Experiment S1008B–Fragmentation
L5	Plants
altL5e	Experiment S1008C–Bulb Structure
L6	Practical Applications in Plants
altL6e	Experiment S1008D–Cuttings
2q	Quiz 2
L7	Sexual Reproduction
L8	Fertilization
altL8e	Experiment S1008E–Sexual Reproduction
3q	Quiz 3
L9	Sexual Reproduction in Animals
L9e	Experiment S1008F–Tissue Structure
L10	Metamorphosis
4q	Quiz 4
L11	Sexual Reproduction in Plants
L12	Life Cycles of Ferns and Pines
altL12e	Experiment S1008G–Ferns and Pines
altL12e2	Experiment S1008H–Flowers
5q	Quiz 5
altproj	Special Project S1008I
test	TEST
alttest	ALTERNATE TEST

Science

1009 ECOLOGY, POLLUTION, AND ENERGY

L1	Principles of Ecology
L2	Environmental Factors
L3	Food Chains
1q	Quiz 1
L4	Ecological Relationships
L5	Communities and Habitats
L5e	Experiment S1009A–Habitats
altL5ep	Experiment S1009B–Biomes
altL5e2	Experiment S1009C–Quadrats
altL5es	Experiment S1009D–Inventory
2q	Quiz 2
L6	Pollution Affects Ecology
L7	Pollution Problems
3q	Quiz 3
L8	Energy Affects Ecology
L8essay	Essay S1009E–Stewardship
4q	Quiz 4
altproj	Special Project S1009F
test	TEST
alttest	ALTERNATE TEST

1010 PRINCIPLES AND APPLICATIONS OF BIOLOGY

L1	Study of Life
L2	Definition of Life
1q	Quiz 1
L3	Basic Principles of Life
L4	Control System
L5	Environment of Life
2q	Quiz 2
L6	Applications of Biology
L7	Green Revolution
3q	Quiz 3
altproj	Special Project S1010A
test	TEST
alttest	ALTERNATE TEST

Eleventh Grade

1101 ESTIMATE AND MEASUREMENT

L1	Metric Units
altL1e	Report S1101A–Metric System
L2	Metric Units–Volume
L3	Metric Units–Mass
1q	Quiz 1
L4	Instrumentation
L4e	Project S1101B–Measurements
altL4e2	Experiment S1101C–Masses
2q	Quiz 2
L5	Observation and Hypothesizing
L6	Graphing
3q	Quiz 3
L7	Significant Figures
L8	Scientific Notation
4q	Quiz 4
L9	Careers in Chemistry
altL10	Volume Measurement
altL11	Observation
5q	Quiz 5
altproj	Special Project S1101D
test	TEST
alttest	ALTERNATE TEST

1102 ELEMENTS, COMPOUNDS, AND MIXTURES

L1	Elements
1q	Quiz 1
L2	Hardness, Density, and Classification
L2e	Experiment S1102A–Phases
altL2e2	Experiment S1102B–Salt and Sand
L3	Compounds and Chemical Changes
2q	Quiz 2
alttop1	Report S1102C–Density
L4	Mixtures
L4e	Experiment S1102D–Colloids
3q	Quiz 3
altproj	Special Project S1102E
test	TEST
alttest	ALTERNATE TEST

Science

1103	GASES AND MOLES
L1	Kinetic Molecular Theory
L2	Characteristics
altL2e	Project S1103A–Kinetic Energy
1q	Quiz 1
L3	Boyle’s Law
2q	Quiz 2
L4	Charles’ Law
L4e	Experiment S1103B–Volume
altL4e2	Project S1103C–Absolute Zero
3q	Quiz 3
L5	Combined Gas Law
4q	Quiz 4
L6	Moles
L7	Avogadro’s Number
L8	Conservation of Mass
altL8es	Essay S1103D–Biography
altL9	Propellants
altL10	Metal Can
altL11	Pressure
altL12	Air Tank
5q	Quiz 5
altproj	Special Project S1103E
test	TEST
alttest	ALTERNATE TEST
1104	ATOMIC STRUCTURE AND PERIODICITY
L1	Contributors to a Concept
altL1e	Experiment S1104A–Properties
altL1e2	Experiment S1104B–Burning
L2	Ernest Rutherford
1q	Quiz 1
L3	The Periodic Table
2q	Quiz 2
L4	Atomic Structure
3q	Quiz 3
L5	Ionization and the Atom
4q	Quiz 4
L6	Nuclear Reactions
altL6e	Report S1104C–Fission Reactors
5q	Quiz 5
altproj	Special Project S1104D
test	TEST
alttest	ALTERNATE TEST

1105	MOLECULAR STRUCTURE
L1	Stoichiometry
L2	Chemical Formulas
1q	Quiz 1
L3	Formula Prediction
L4	Chemical Bonding
2q	Quiz 2
L5	Chemical Bonds
L6	Molecular Architecture
L6e	Experiment S1105A–Molecular Shape
3q	Quiz 3
altproj	Special Project S1105B
test	TEST
alttest	ALTERNATE TEST
1106	CHEMICAL REACTIONS, RATES AND EQUILIBRIUM
L1	Chemical Reactions
L1e	Experiment S1106A–Chemical Change
altL1e2	Experiment S1106B–Chemical Reactions
altL1e3	Experiment S1106C–Ammonium Nitrate
L2	Enthalpy of Reaction
L3	Entropy and Gibbs Free Energy
1q	Quiz 1
L4	Reaction Rates
L4e	Experiment S1106D–Reaction Rates
L5	Reaction Rates (Part 2)
2q	Quiz 2
L6	Reaction Equilibria
L6ex	Activity S1106E–Exploring Equilibria
L7	Conditions Affecting Equilibrium
3q	Quiz 3
altproj	Special Project S1106F
test	TEST
alttest	ALTERNATE TEST

Science

1107	EQUILIBRIUM SYSTEMS
L1	Solutions
L2	Types of Solutions
L3	Characteristics of Solutions
L4	Electrical Nature of Solutions
L5	Electrical Nature of Solutions (Part 2)
1q	Quiz 1
L6	Solubility Equilibrium
L6e	Experiment S1107A–Solubility
L7	Solubility Equilibrium (Part 2)
2q	Quiz 2
L8	Acid–Base Equilibria
altL8e	Experiment S1107B–Acid Strength
L9	pH Scale
L10	Titration of Acids and Bases
3q	Quiz 3
L11	Redox Equilibria
L12	Redox Equilibria (Part 2)
altL13	Conductivity
altL14	pH Calculations
4q	Quiz 4
altproj	Special Project S1107C
test	TEST
alttest	ALTERNATE TEST

1108	CARBON CHEMISTRY: HYDROCARBONS
L1	Carbon Compounds
L2	Sources of Organic Compounds
altL2e	Experiment S1108A–Volatility
1q	Quiz 1
L3	Carbon Atoms
L4	Bonding
2q	Quiz 2
L5	Hydrogen and Carbon
L6	Unsaturated Hydrocarbons
3q	Quiz 3
altproj	Special Project S1108B
test	TEST
alttest	ALTERNATE TEST

1109	CARBON CHEMISTRY: FUNCTIONAL GROUPS
L1	Hydrocarbon Chemistry
L2	Unsaturated Hydrocarbons
1q	Quiz 1
L3	Oxygen Functional Groups
L4	Aldehydes, Acids, and Ketones
L5	Esters
2q	Quiz 2
L6	Nitrogen Functional Groups
L7	Proteins
L7e	Experiment S1109A–Preparation of a Polymer
3q	Quiz 3
altproj	Special Project S1109B
test	TEST
alttest	ALTERNATE TEST

1110	CHEMISTRY REVIEW
L1	Estimate and Measurement
L2	Observation and Hypothesis
L3	Elements, Compounds, and Mixtures
L4	Gases and Moles
1q	Quiz 1
L5	Atomic Structure and Periodicity
L6	The Periodic Law
L7	Molecular Structure
L8	Chemical Reactions, Rates, and Equilibrium
L9	Reaction Rates
2q	Quiz 2
L10	Solutions
L11	Solubility Equilibrium
L12	Neutralization
L13	Carbon Compounds
L14	Hydrocarbon Chemistry
3q	Quiz 3
altproj	Special Project S1110A
test	TEST
alttest	ALTERNATE TEST

Twelfth Grade

1201	KINEMATICS
L1	Units, Scalars, and Vectors
L1e	Experiment S1201A–Soda Straw
1q	Quiz 1
L2	Measurement of Length
altL2e	Experiment S1201B–Oleic Acid
2q	Quiz 2
L3	Rate of Length Change
altL3e	Report S1201C–Galileo
L4	Velocity
3q	Quiz 3
L5	Rate of Velocity Change
L6	Acceleration Due to Gravity
4q	Quiz 4
L7	Fields and Models
5q	Quiz 5
altproj	Special Project S1201D
test	TEST
alttest	ALTERNATE TEST

Science

1202

L1	Newton's First and Second Laws
altL1e	Report S1202A–Isaac Newton
1q	Quiz 1
L2	Gravity
2q	Quiz 2
L3	Uniform Circular Motion
L3e	Experiment S1202B–Circular Motion
3q	Quiz 3
L4	Newton's Third Law
altL4e	Experiment S1202C–Explosion
4q	Quiz 4
L5	Kepler's Laws of Planetary Motion
altL5e	Report S1202D–Solar System
altL5e2	Experiment S1202E–Kepler's Law
5q	Quiz 5
altproj	Special Project S1202F
test	TEST
alttest	ALTERNATE TEST

1203

L1	Type and Source of Energy
altL1e	Report S1203A–Nuclear Energy
1q	Quiz 1
L2	Conservation of Energy
L3	Power and Efficiency
L3e	Experiment S1203B–Simple Machines
2q	Quiz 2
L4	Heat Energy
L5	Latent Heat
altL5e	Experiment S1203C–Latent Heat
L6	Laws of Thermodynamics
3q	Quiz 3
altproj	Special Project S1203D
test	TEST
alttest	ALTERNATE TEST

1204

L1	Energy Transfer
L1e	Experiment S1204A–Wave Speeds
altL1e	Experiment S1204B–Pulses
1q	Quiz 1
L2	Wave Phenomena
L2e	Experiment S1204C–Waves
altL2e	Experiment S1204D–Bending Waves
2q	Quiz 2
L3	Sound Waves
altL3e	Experiment S1204E–Doppler Effect
3q	Quiz 3
altproj	Special Project S1204F
test	TEST
alttest	ALTERNATE TEST

DYNAMICS

WORK AND ENERGY

INTRODUCTION TO WAVES

1205

L1	Speed and Properties
L2	Properties
L2e	Experiment S1205A–Light Angles
altL2e2	Experiment S1205B–Water Refraction
1q	Quiz 1
L3	Mirrors
L3e	Experiment S1205C–Convergence
L4	Lenses
2q	Quiz 2
L5	Phenomena and Models
altL5e	Experiment S1205D–Light Observations
3q	Quiz 3
altproj	Special Project S1205E
test	TEST
alttest	ALTERNATE TEST

1206

L1	Electric Charges
L2	Coulomb's Law
altL2e	Experiment S1206A–Static Electricity
L3	The Transfer of Charges
1q	Quiz 1
L4	Electric Fields
2q	Quiz 2
L5	Electric Potential
L6	Potential and Energy
3q	Quiz 3
altproj	Special Project S1206B
test	TEST
alttest	ALTERNATE TEST

1207

L1	Current
altL1e	Project S1207A–Research and Report
L2	Fluid Flow
1q	Quiz 1
L3	Resistance
2q	Quiz 2
L4	Circuits
L5	Series Circuits
3q	Quiz 3
altproj	Special Project
test	TEST
alttest	ALTERNATE TEST

LIGHT

STATIC ELECTRICITY

ELECTRIC CURRENTS

Science

1208	MAGNETISM
L1	Fields and Forces
altL1e	Experiment S1208A–Magnetic Fields
L2	Forces
1q	Quiz 1
L3	Electromagnetism
altL3e	Experiment S1208B–Magnetic Fields
L4	Electromagnetic Induction
2q	Quiz 2
L5	Electron Beams
3q	Quiz 3
altproj	Special Project S1208C
test	TEST
alttest	ALTERNATE TEST

1209	ATOMIC AND NUCLEAR PHYSICS
L1	Quantum Theory
L2	X–Rays
1q	Quiz 1
L3	Atomic Models
altL3e	Report S1209A–Early Atomic Physics
L4	Bohr Model
L5	Nuclear Theory
2q	Quiz 2
L6	Nuclear Reactions
L7	Fusion
3q	Quiz 3
altproj	Special Project S1209B
test	TEST
alttest	ALTERNATE TEST

1210	REVIEW
L1	Mechanics
L2	Dynamics
L3	Energy
1q	Quiz 1
L4	Wave Motion
L5	Light
2q	Quiz 2
L6	Electricity and Magnetism
L7	Fields and Forces
L8	Circuits
3q	Quiz 3
L9	Modern Physics
L10	The Bohr Atom
L11	Duality
L12	Nuclear Energy
4q	Quiz 4
altproj	Special Project S1210A
test	TEST
alttest	ALTERNATE TEST