

KEY LEARNINGS: SCIENCE CHART

2006-2008

| | Life | Health | Physical | Earth |
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| K | <ul style="list-style-type: none"> • Worms/Insects/Spiders | <ul style="list-style-type: none"> • Home/School Safety | <ul style="list-style-type: none"> • Simple Measurement • Observation • Light/Colors | <ul style="list-style-type: none"> • Air • Land • Water • Ecology • Seasons |
| 1 | <ul style="list-style-type: none"> • Animals <ul style="list-style-type: none"> Characteristics Classification Fish Birds Reptiles & Amphibians Mammals • Life Science Scope & Careers | <ul style="list-style-type: none"> • Mental/Emotional Health <ul style="list-style-type: none"> Decision Making Self Concept Emotions • Family/Social Health <ul style="list-style-type: none"> Family Living • Family Structure <ul style="list-style-type: none"> Relationships • Health Science Scope & Careers | <ul style="list-style-type: none"> • Heat • Energy/Waves • Sound • Light <ul style="list-style-type: none"> Colors/Mirrors/Lenses • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Meteorology <ul style="list-style-type: none"> General Information Weather Elements <ul style="list-style-type: none"> General Information Climate Seasons Atmosphere Water (Hydrologic) <ul style="list-style-type: none"> Cycle Weather Effects • Earth Science Scope & Careers |
| 2 | <ul style="list-style-type: none"> • Human Body <ul style="list-style-type: none"> Organization Sense Organs Teeth, Skeletal/Muscular System Respiratory/Circulatory System Immune System • Life Science Scope & Careers | <ul style="list-style-type: none"> • Human Body <ul style="list-style-type: none"> Digestive/Excretory System • Nutrition <ul style="list-style-type: none"> Nutrients Food Pyramid Dietary Guidelines • Safety/First Aid <ul style="list-style-type: none"> Accidents First Aid Natural Disasters Public Safety Recreational Safety • Health Science Scope & Careers | <ul style="list-style-type: none"> • Magnetism • Electricity <ul style="list-style-type: none"> General Information Static Electricity Current Electricity • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Geology <ul style="list-style-type: none"> Earth's Features Genesis Flood Earthquakes, Volcanoes Minerals, Rocks Erosion Weathering • Earth Science Scope & Careers |
| 3 | <ul style="list-style-type: none"> • Animals <ul style="list-style-type: none"> Classification Growth/Development/Behavior Organisms Invertebrates & Worms Insects/Anthropoids Arachnids • Genetics <ul style="list-style-type: none"> Inheritance • Life Science Scope & Careers | <ul style="list-style-type: none"> • Drugs <ul style="list-style-type: none"> Decision Making Inhalants/Alcohol/Nicotine Drugs/Effects Medicines • Health Principles • Biblical Principles • Natural Laws • Human Sexuality • Health Science Scope & Careers | <ul style="list-style-type: none"> • Force • Friction/Gravity/Inertia • Motion • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Origin of Universe • Astronomy <ul style="list-style-type: none"> History Space Exploration • Solar System <ul style="list-style-type: none"> General Information Sun/Stars Moon Asteroids, Meteoroids & Comets • The Universe <ul style="list-style-type: none"> Constellations • Earth Science Scope & Careers |
| 4 | <ul style="list-style-type: none"> • Plants <ul style="list-style-type: none"> Classification Structure & Function Growth/Life Cycle Photosynthesis Reproduction Importance Algae/Fungi • Life Science Scope & Careers | <ul style="list-style-type: none"> • Consumer Health <ul style="list-style-type: none"> Health Care Preventative/Curative • Community Health <ul style="list-style-type: none"> Education & Resources • Diseases <ul style="list-style-type: none"> Communicable Diseases & Immune System Disease Transmission • Health Science Scope & Careers | <ul style="list-style-type: none"> • Chemistry <ul style="list-style-type: none"> Matter Atomic Structure Mixtures & Compounds • Energy/Work <ul style="list-style-type: none"> Basic Energy Potential/Kinetic Energy Simple Machines Work/Power • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Creation & Evolution • Geology <ul style="list-style-type: none"> Fossils Dinosaurs • Ecology <ul style="list-style-type: none"> General Information Communities/Population Food Chain Natural Resources Environmental Issues • Earth Science Scope & Careers |

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| 5 | <ul style="list-style-type: none"> • Living Things <ul style="list-style-type: none"> Characteristics Classification • Animals <ul style="list-style-type: none"> Fish Birds Reptiles & Amphibians Mammals Animal Behavior • Life Science Scope & Careers | <ul style="list-style-type: none"> • Personal Mental Health <ul style="list-style-type: none"> Personality Self-concept Emotional Health • Interpersonal Mental Health <ul style="list-style-type: none"> Relationships Child Abuse • Human Sexuality <ul style="list-style-type: none"> Development Conception to Birth Puberty Reproduction Reproductive System Sexual Behavior • Health Science Scope & Careers | <ul style="list-style-type: none"> • Heat • Energy/Waves <ul style="list-style-type: none"> General Information Electromagnetic Spectrum • Sound • Light <ul style="list-style-type: none"> General Information Colors Mirrors/Lenses/Lasers • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Meteorology <ul style="list-style-type: none"> Weather & Climate General Information Weather Elements Climate • Atmosphere <ul style="list-style-type: none"> General Information Air Pressure Water (Hydrologic) Cycle • Oceanography <ul style="list-style-type: none"> World Ocean, Sea Floor Environments Life Resources Seawater Tides/Currents/Waves • Earth Science Scope/Careers |
| 6 | <ul style="list-style-type: none"> • Cells <ul style="list-style-type: none"> General Information Cell Theory Characteristics Structure Cytoplasm/Nucleus/DNA Relationship to chemistry Processes • Human Body <ul style="list-style-type: none"> Organization Sense Organs Skeletal, Muscular & • Integumentary Systems <ul style="list-style-type: none"> Respiratory & Circulatory Nervous System • Life Science Scope & Careers | <ul style="list-style-type: none"> • Human Body <ul style="list-style-type: none"> Digestive System Excretory System • Nutrition <ul style="list-style-type: none"> Nutrients Food Pyramid & Dietary • Guidelines • Weight Issues <ul style="list-style-type: none"> Body Composition, Weight Calories/Metabolism Eating Disorders • Safety/First Aid • Accidents • Natural Disasters • Health Science Scope & Careers | <ul style="list-style-type: none"> • Magnetism • Electricity <ul style="list-style-type: none"> Static & Current Electricity Safety, Generation Measurement Applications Circuits, Cells, Batteries Electronics • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Geology <ul style="list-style-type: none"> Earth's Features Genesis Flood & Ice Age Tectonics, Earthquakes Volcanoes Minerals/Rocks Erosion & Weathering • Earth Science Scope & Careers |
| 7 | <ul style="list-style-type: none"> • Simple Animals <ul style="list-style-type: none"> Invertebrates Sponges, Cnidarians & Worms Mollusks & Echinoderms • Arthropods <ul style="list-style-type: none"> General Characteristics Insects & Arachnids Centipedes/millipedes & Crustaceans • Monerans (Bacteria) • Protista <ul style="list-style-type: none"> General Information Algae & Protozoans • Fungi • Viruses <ul style="list-style-type: none"> General Information HIV/AIDS • Genetics • Life Science Scope & Careers | <ul style="list-style-type: none"> • Drugs <ul style="list-style-type: none"> General Information Effects Decision Making • Human Sexuality <ul style="list-style-type: none"> Sexual Feelings God's Plan & Sexual Issues Sexual Behavior • Health Science Scope & Careers | <ul style="list-style-type: none"> • Force <ul style="list-style-type: none"> Mass/Weight Basic Force Elastic, Nuclear & Electric/ Magnetic Force • Friction • Gravity • Motion <ul style="list-style-type: none"> Basic Motion Laws of Motion • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Origin of Universe • Astronomy <ul style="list-style-type: none"> Introduction History Space Exploration Telescopes Electromagnetic Radiation Solar System <ul style="list-style-type: none"> General Information Sun, Moon, Planets Asteroids, Meteoroids Comets The Universe <ul style="list-style-type: none"> Light Year, Magnitude Stars, Constellations, Galaxies • Earth Science Scope & Careers |
| 8 | <ul style="list-style-type: none"> • Plants <ul style="list-style-type: none"> Classification Structure & Function Processes <ul style="list-style-type: none"> Photosynthesis, Respiration, Transportation Reproduction Responses • Energy <ul style="list-style-type: none"> Earth's Environment Earth's Resources • Life Science Scope & Careers | <ul style="list-style-type: none"> • Consumer Health <ul style="list-style-type: none"> Preventative/Curative Health Care • Community Health <ul style="list-style-type: none"> Education & Resources • Teen Health Risks <ul style="list-style-type: none"> Rick Factors & Challenges • Diseases <ul style="list-style-type: none"> Communicable Diseases Immune System Disease Transmission STD's & HIV/AIDS • Health Scope & Careers | <ul style="list-style-type: none"> • Chemistry <ul style="list-style-type: none"> Matter Atomic Structure, Nucleus Mixtures Compounds Chemical Reactions Acids/Bases • Energy Forms <ul style="list-style-type: none"> Potential/Kinetic Energy • Work & Machines • Physical Science Scope & Careers | <ul style="list-style-type: none"> • Creation • Evolution • Earth's Age • Fossil Record <ul style="list-style-type: none"> Geologic Column, Fossils Dinosaurs • Ecology <ul style="list-style-type: none"> General Information Communities/Populations Food Chains Natural Resources Environmental Issues • Life Science Scope & Careers |

