

Science Projects – Levels 1-8

SCIENCE PROJECTS ITEMS NEEDED LIST

PACE #	PROJECT NAME	ITEMS NEEDED
1004	AUTUMN LEAF PROJECT	Leaves, Tape
1004	WINTER PICTURE PROJECT	Dark Blue Construction Paper, Glue, Salt
1006	DISCOVERING THE ROTATION OF THE EARTH	Globe, Flashlight
1011	SOUNDS WITH WATER GLASSES	5 Clear Glasses (all the same size), Water, Spoon

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1016	LEAF PROJECT	Leaves, Tape
1020	BUG COLLECTING PROJECT	2 or 3 Plastic Containers with Lids, Heavy Paper Cut into Triangles, Pins, White Glue, A Piece Of Foam Board

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1025	DISCOVERING THE ORBIT OF THE EARTH	Ball
1026	GROWING A BEAN SEED	Plastic Bowl, Cotton Balls, Bean Seeds, Water, Sunny Window
1027	DISCOVERING HOW THE MOON GIVES LIGHT	Flashlight, Ball
1027	DISCOVERING HOW AIR CARRIES SOUND	2 Cola Bottles
1028	LIGHT AND SHADOWS	1 Piece of White Paper
1035	HUNTING FOR STONES	Student will need to be able to find stones
1036	BUILDING A WATER CLOCK	Clean Glass Jar, Paper Cup large enough to fit inside the jar but not touch the bottom of the jar, Straight Pin Digital Clock, Permanent Marker, Water in Pitcher or Glass
1036	FILLING OUT A CALENDAR MONTH	Calendar

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1037	EVERYTHING IS MATTER	Glue, 4 or 5 3"x5" Notecards, Scissors, Piece of White Construction Paper, Shallow Box (about 18 in square and 2 in deep)
1038	AIR HAS WEIGHT	Yardstick, 2 Balloons, String, a Pin
1038	AIR TAKES UP SPACE	Drinking Glass, Dry Handkerchief, Bucket of Water
1038	TRACKING YOUR BREATHING RATE	Watch or Clock
1040	PLANTS, WATER, MINERALS	Glass or Jar of Water, Blue or Red Dye or Food Coloring, Freshly Cut Stalk of Celery
1041	MAKE A WATER CYCLE	Clear Drinking Glass or Jar, Small Glass Bowl, 2 or 3 Ice Cubes and Cold Water, Hot Water, Paper, Pencil
1042	A ROCK TEST	Vinegar, Rocks
1042	SEARCH FOR MINERALS	Paper, Pencil
1043	PLANTS AND AIR	2 Clear Plastic 2-Liter Soda Bottles with Caps, 2 Small Potted Plants just alike, 2 Flat Dishes, Baking Soda, Vinegar, Funnel, Glass, Tape, Notebook Paper
1044	PERSONAL HYGIENE CHART	Pencil, Paper, Ruler
1045	LISTEN TO A HEARTBEAT	Sheet of Construction Paper, Tape, Scissors, Pencil, Plate
1046	WORK WITH A LEVER	Small Blocks, Note Paper and Pencil, Stong 12 in. Ruler, Tape

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1049	ELEMENT COLLECTION	Wooden or Cardboard Box, Note Card Tags (1" x 3"), Containers for the Elements (small jars, plastic bags)
1050	POTENTIAL AND KINETIC ENERGY	Spool, Wooden Toothpick, Unsharpened Pencil, Small Thin Rubber Band, Small Metal Washer, Masking Tape
1051	CONDUCTION, CONVECTION, AND RADIATION	Candle in a Candle holder, Pipe (approx. 12 in. long and 1/4 in. in diameter), 6 or 7 Thumb Tacks, Pliers, Metal Coat Hanger, Paper, Pencil, Scissors
1052	MAKING A BOOK ABOUT VOLCANOES	Scissors, Pencil, Construction Paper, Crayons or Colored Pencils, Hole Punch, Yarn
1053	LEARN ABOUT WATER PRESSURE	Empty Plastic Bottle or Tall Metal Can, Nail and Hammer, Tape
1054	BUILDING A MODEL OF THE SOLAR SYSTEM	Paper on a Large Roll or Newspaper, Scissors, Tape, Ruler or Yardstick, Colored Markers or Crayons
1055	MAKING A STARGAZER	3 or more Cardboard Tubes (from paper towels or bathroom tissue), Black Construction Paper, Pencil, Scissors, Pin, Rubber Bands or Tape, Cardboard, Ruler
1056	CHART OF GOD'S PROVISIONS	Poster Board or Cardboard (approx. 22 x 28 in), Source for Animal Pictures (magazines, newspapers, books, or Internet printouts), Plain White Paper, Glue, Notebook Paper
1057	MAKE A PAPIER-MACHE DINOSAUR	Old Newspaper, 2 Bowls, Flour, Warm Water, Tablespoon, Glue, Cloth, Wire Hanger, Paint or Crayons
1058	MAKE A MUSICAL INSTRUMENT	8 Empty Glass Bottles or Drinking Glasses, Small Wooden Stick, Water
1058	VIBRATION DETERMINES PITCH	Piano
1058	SOUND EXPERIMENT WITH STRAWS	Drinking Straw
1059	MAKE A HELICOPTER	Piece of Construction Paper, Paper Clip, Scissors, Ruler
1059	MAKE A PAPER AIRPLANE	Half Sheet of Notebook Paper
1060	MAKING A BOOK OF MIRACLES	Bible, Construction Paper, Colored Pencils or Crayons, Notebook Paper, Glue, Plain White Paper

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1061	TESTING FOODS FOR ACIDS	Dill Pickle, Lemon or Lemon Juice, Water, Sugar, Salt, Baking Soda, Milk, Vinegar, 3 Small Drinking Glasses, Tomato or Orange Juice
1061	TESTING SUBSTANCES FOR ACIDS AND BASES	Head of Red Cabbage, Large Cooking Pot, Water, Empty Plastic Water or Milk Bottle, 9 Clear Plastic Cups, Baking Soda, White Vinegar, 3 Different Soaps, Detergents, or Cleaners, 3 Different Fruit Juices
1062	EXPERIMENT WITH A SOLUTION	Clear Drinking Glass, Table Salt, Large Spoon, Refrigerated Fresh Egg, Water
1064	RAISING A GARDEN FROM VEGETABLES	4 Flower Pots, Clear Drinking Glass, Carrot, Beet, Turnip, Radish, Sweet Potato (Yam), Garden Soil, Toothpicks, Notebook Paper, Knife
1066	Magnetic Experiment	Metal Paper Clip, Sheet of Paper, Magnet
1066	EXPERIMENT WITH MAGNETIC POLES	2 Bar Magnets, String, Nail, Small Board
1066	MAKING A MAGNET	Bar Magnet, Nail, Paper Clip
1066	SECRETS OF A MAGNET	2 Bar Magnets, Iron Filings, Sheet of White Paper
1067	TRANSFER OF ELECTRONS	Sheet of Blank Paper, Comb, Plastic Spoon, Wool Sweater or Piece of Soft Flannel, Black Pepper
1067	EFFECT OF STATIC CHARGES	Newspaper, Scissors, Ruler, Piece of Fur or Soft Flannel, Small Comb
1068	MAKING AN ELECTROMAGNET	Thin Wire (about 24 inches), Nail, Flashlight Battery, Staples or Metal Paperclips
1068	SEARCHING FOR ELECTRICAL HAZARDS	None

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1073	STUDYING THREAD OR HAIR WITH A MICROSCOPE	Microscope, Slide, Thread or Hair, Clear Tape
1074	BREAD MOLD WITH A MICROSCOPE	Slice of Bread, Plastic Sandwich Bag, Slide, Cover Slip, Microscope, Plastic Gloves
1075	MAKING A FLOWER	Facial Tissue, Green Flexible Drinking Straw, 3 Toothpicks, Scissors and Stapler, Color Markers, Table Salt or Glitter, Glue, Water
1076	STUDYING AN INVERTEBRATE	Piece of White Paper, Pen or Drawing Pencil, Colored Pencils or Crayons, Glue, Construction Paper, Encyclopedia and/or Computer
1077	OBSERVING A VERTEBRATE	Whole Chicken (baked) Cola Beverage (2-4 liters), Fork and Tongs, Hydrogen Peroxide (up to 1 quart)
1079	TRACKING INHERITED TRAITS	None
1080	BUILDING A MODEL OF A HAND	Scissors, 5 Straws, 5 Wide Craft Sticks, Glue, Marker, Tape, String
1084	ENERGY INSPECTION OF YOUR HOME	None

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1087	BUILDING A MODEL OF EARTH'S WATER CYCLE	Large Deep Glass Bowl, Thick Fairly Flat Rock, Small Pebble or Stone, Hot Water, Plastic Wrap, Tape, Blue Food Coloring (optional)
1091	MAKING A MAP	Paper (at least 8.5 x 11 in), Pencil or Colored Pencils, Paper Mache or Clay (optional)
1092	MAKING A GEODE	3 Eggs, White Glue, Small Paintbrush, 2 Cups Boiling Water, Food Coloring, 3/4 Cup Alum, Bowl, Spoon, Paper Towel
1094	PHYSICAL AND CHEMICAL WEATHERING	3 Pieces of White Chalk, Water, Measuring Cup, 2 Glass Containers, White Vinegar