

REQUEST FOR 3M SCIENCE ENCOURAGEMENT SCHOOL OR ORGANIZATION VISIT

Type of Program Requested: _____

Visiting Wizards _____ (for grades 1 - 8)

School/Organization _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Email _____ Fax No. _____

Work Phone _____ Time you can be reached at this number _____

Home Phone _____ Time you can be reached at this number _____

Preferred Date(s) Visit _____ Time of day _____

Grade Level _____ Number of Students _____

Visiting Wizard Demonstrations- Check which demonstration(s) you would like. (Presentation(s) are about 45-60 minutes each.) Since our programs are staffed by volunteers, we can not guarantee that all requests will be able to be filled. If you don't hear anything by 3 days before the date you want the Visiting Wizard, please call 3M at (651)733-2508. Corrine Ivie is the 3M Science Encouragement Administrator.

Demonstration	Description
<input type="checkbox"/> Acids & Bases	Properties of acids and bases are detailed with lecture and demonstrations. This demonstration is beset for grades 3-6. It deals with the pH of items, acid or base.
<input type="checkbox"/> Air & Vacuum	Explore nature's laws with balloons and pumps. Discover the effects of air and no air.
<input type="checkbox"/> Catapults	Catapults Develop an appreciation for the history and function of catapults. Learn about speed, angle, force and the projected distance of various soft projectiles.
<input type="checkbox"/> Color and Light	Develop an appreciation for color and light. Bend white light into colors. Separate ink into its components.

<input type="checkbox"/> Concrete	Learn about concrete technology and make concrete beams. Break the beams by adding weight and then identify the causes for the difference between beam strengths.
<input type="checkbox"/> Crime Lab (K-4) <input type="checkbox"/> Crime Lab (5-8)	Uncover mysteries! Master forensic science using ink analysis, fingerprinting, foot printing and fiber testing!
<input type="checkbox"/> Cryogenics	Behold the world of the ultra-cold. Learn how liquid nitrogen (-320 F) affects objects. Can be done for larger groups.
<input type="checkbox"/> Dots and Printing	Study color photos in print. Conquer electronic image manipulations, and try dot and sponge printing
<input type="checkbox"/> Electricity and Simple Circuits	Learn about the sources of electricity, complete circuits, conductors and insulators, mechanical switches, electromagnets, magnetic reed switches, simple DC electric motor, parallel and series circuits.
<input type="checkbox"/> Eye and Perception	Discover the anatomy of the eye. Witness optical illusions and conduct color perception experiments.
<input type="checkbox"/> Groundwater: The Water We Drink	Provides dynamic hands-on demonstrations that reveal how contaminants enter and move in out groundwater.
<input type="checkbox"/> Innovation and Creativity	Explore the invention process and use creative ways to talk about new ideas and thinking outside the box. Look at toys, patents on toys, and how “accidents” in the laboratory turn out to be new products.
<input type="checkbox"/> Magnets	Explore what sticks to magnets, observe magnetic fields, make compasses and see why they work. See how electricity and magnetism are related, work with electromagnets and electric motors.
<input type="checkbox"/> Magic Microworld	Discover the microworld by investigating a variety of subjects from insect parts to 3M Post-it™ brand notes. Explore microscopists careers. Kids use small microscopes.
<input type="checkbox"/> Microbiology	See proof that bacteria are all around you. Learn why we don't have to be overly concerned about it.
<input type="checkbox"/> Papermaking	Examine how paper is made and create your own handmade sheet. Learn how recycling is done.

<input type="checkbox"/> Properties of Water	Scrutinize earth's most important substance. Study surface tension, wetting, capillary action, solutions and water hardness.
<input type="checkbox"/> Simple Machines	Explore six machines: wedge, inclined plane, pulley, wheel and axle, lever, and screw. Learn how machines make life easier.
<input type="checkbox"/> Sound and Music	Discover sound waves, reflection, and resonance with simple experiments that relate to real-life experiences.
<input type="checkbox"/> Stat Wiz	Ever think two things are the same? Think again. Use paper helicopters, dice, Oreo cookies, and globes to explore how things vary and demonstrate useful ways to display data/statistics.
<input type="checkbox"/> Thermodynamics	Prove why things get hot. Witness the strength of four fingers. Believe nature's insistence on chaos.
<input type="checkbox"/> Toys in Space I	Become an astronaut-scientist. Analyze gravity's effect on objects. See the toys taken on the 51-D NASA Mission (1985)
<input type="checkbox"/> Toys in Space II	Become co-investigators with the astronauts by analyzing and playing with toys taken in the STS-54 NASA Mission (1993)
<input type="checkbox"/> Water: Drop of Life (see Ground Water)	Now combined with Ground Water. Order the Ground Water kit. Expands upon Groundwater Visiting Wizard Program in greater detail. Learn how important it is to keep water free from contaminants. Use a groundwater model, discover how contaminants move through different soil types and eventually affect our water resources.

On above requested presentation, how does this fit into units you are currently studying?

Are there any particular points you would like presentation to stress?

Return completed form to:

**Corrine E. Ivie - email: ceivie@mmm.com - Phone (651) 733-2508 Fax: (651)733-0465
3M Science Encouragement Office
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