

Home School at Explora

Spring 2010 Class Activities

Grades K-1



Classes begin the week of January 25 and end the week of May 3.

There are no classes the week of March 15-19 due to Explora Spring Break Camp.

1. "Beautiful Bubbles" Use a variety of materials and solutions to experiment with bubble-blowing. Students observe the colors in a bubble and make colorful bubble prints.

Science: Strand I, Standard I, BM I, II and Strand II, Standard I, BM I, PS K-2, 1-2

2. "Pebbles, Sand and Silt" Get ready to sort rocks, dig in sand and look for living material in garden soil as we investigate properties of these natural materials.

Science: Strand I, Standard, BM I, II and BM III, PS K-1 and Strand II, Standard I, BM I, PS K-1,2, 1-2 and BM III, PS K-1,2, 1-1, 2-1

3. "Light and Shadow" Discover different ways to make shadows as we investigate light by bouncing and bending it, explore shadows and shadow shapes, and experiment with colored light and colored shadows.

Science: Strand I, Standard I, BM I, II and Strand II, and Standard I, BM I, PS K-2, 1-2

4. "Air, Air Everywhere" Have you stopped to marvel at the wonders of the air around you? Students "catch" air to see that it takes up space, use air to do work and learn about the power of air pressure. Bubbles, pinwheels and paint help us understand more about the air that is everywhere!

Science: Strand I, Standard I, BM I, II

5. "Crazy About Chromatography" Inside an ordinary black marker is a rainbow of color waiting to escape! Students investigate how paper chromatography is used to separate the components of mixtures, and test colored markers, food coloring and candy to see what unexpected colors each contains.

Science: Strand I, Standard I, BM I, II and BM III, PS 2-1 and Strand II, Standard I, BM I, PS K-1, 1-2, 2-1

6. "Forceful Magnets" Investigate which items are attracted to magnets and which are not, and explore attracting and repelling with a wide variety of materials. Students make their own magnets, race magnetic cars and more.

Science: Strand I, Standard I, BM I, II and Strand II, Standard I, BM I, PS K-1,2 and Strand II, Standard I, BM III, PS K-1,2, 2-2

7. "Simple Machines" Test your strength with levers and pulleys. Experiment with ways simple machines make work easier.

Science: Strand I, Standard I, BM I, II and Strand II, Standard I, BM II, PS K-1, 1-1 and BM III, PS K-1,2, 1-1, 2-1

8. "Playful Pendulums" Explore pendulums and chaotic motion. We'll play with pendulums that draw in the sand, pendulums that paint and much more.

Science: Stand I, Standard I, BM I, II, III, PS K-1, and Strand II, Standard I

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9. "On a Roll" Observe and compare rolling systems using recycled materials, cups and marbles. Test which shapes roll the best and create a roller coaster for marbles.

Science: Strand I, Standard I, BM I, II and Strand II, Standard I, BM I, PS K-1,2, 1-2 and BM II, PS K-1, 1-1, 2-5 and BM III, PS K-1, 1-1, 2-1

10. "Growing Pains" What do butterflies and frogs have in common? Students observe plants and animals at different stages in their life cycles, and discover how plants and animals change and grow up to be like their parents.

Science: Stand I, Standard I, BM I, II and Strand II, Standard II, BM I, PS K-1, 1-1,2,3,4, and BM II, PS K-1,2, 1-2, 2-1,2

11. "What's that Sound?" Explore sound waves and observe how they travel through water or air. Students feel vibrations caused by sound waves and experience these waves doing work.

Science: Stand I, Standard I, BM I, II and Strand II, Standard I, BM II, PS 2-4

12. "Bubble, Foam and Fizz" Become a curious chemist when you mix up cool concoctions, investigate foamy foods and pour bubbling solutions.

Science: Strand I, Standard I, BM I, II

13. "Wonderful Water" Get wet exploring ice, water and water vapor during several exciting activities.

Students investigate absorption, adhesion and other unique properties of ice and water.

Science: Stand I, Standard I, BM I, II and Strand II, Standard I, BM I, PS K-2, 1-1,2

14. "Taking Flight" Investigate how air interacts with materials to make them float and fly. Experiment with floating balloons, make simple gliding toys, and construct and fly your own kite.

Science: Strand I, Standard I, BM I, II

Information and Registration

For more information or registration, call 505.224.8341, or e-mail inquiries to: reservations@explora.us.

Para información en español, llame al 505.224.8323.

All registrations must be accompanied by full payment. We accept cash, checks, VISA, MasterCard, Discover and American Express. Please make all checks payable to Explora. For mail-in registration, complete the registration form available online at www.explora.us (Programs/Homeschool), and send it with payment to: Explora, 1701 Mountain Rd. NW, Albuquerque, NM 87104.

Cancellation Policy

If a cancellation is received at least 5 business days before the first class, a refund will be issued for the amount minus a 15% administration fee. Cancellations received fewer than 5 business days before the first class will not be refunded. Full fees will be refunded if Explora cancels a program.