

2008 Winter Exploration Classes Grades 1 and 2  
December 8-10 9:45-11:10

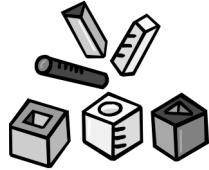
Clases de Exploración para Primero y Segundo Grado

**Dora Explores Shapes**

Grade 1

*Figuras Geométricas de Dora la Exploradora*

Instructor: Mrs. Henk  
Room: Mrs. Henk's Room



Learn how to notice and describe the attributes of two and three-dimensional shapes. Look for shapes in the real world. See how shapes can work together to make new shapes and patterns.

**Animal Care**

Grades 1, 2

*El Cuidado para con los Animales*

Instructor: Mrs. Rustad  
Room: Mrs. Rustad's Room



When you have the responsibility of caring for a pet, you must give it the best possible care. Learn how to care for different pets: from dogs and gerbils to hedgehogs and geckos. This is a hands-on class where you will be working with all kinds of animals.

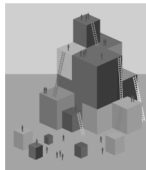
Field trip: Walking trip to PetCo.

**Arkidecture**

Grades 1, 2

*La Arquitectura de los niños*

Instructors: Mrs. Foss and Mrs. Holtz  
Room: BUZ Room



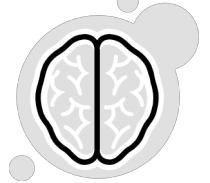
Create different buildings with all kinds of construction materials. Learn the principles of architecture as you work with Zometools, LEGOs, Lincoln Logs, PlayPlanks, Polydrons, Bricks, and computer programs.

**Brain Games**

Grades 1, 2

*Juegos Mentales*

Instructor: Mrs. Stevenson  
Room: Mrs. Stevenson's Room



Challenge your thinking skills as you learn how to play fun games like Nim, Checkers, Shut the Box, Gambit, Flip 4, Quarto, Mastermind, and Sudoku, to name a few of the choices.

**Cupcake Science**

Grades 1, 2

*Ciencia de los pasteles pequeños*

Instructor: Mrs. Thompson  
Room: Staff Lounge



How can flour, water, eggs, and a few other ingredients turn into something so delicious? Use your measuring skills and your five senses as you make many varieties of flavorful cupcakes.

**Design Challenges**

Grades 1, 2

*Desafíos del Diseño*

Instructor: Mrs. Strandness  
Room: Engineering Room



Can you get a book to balance on one sheet of paper? How tall can you build a newspaper tower? Can you build a gumdrop dome? How about an egg bungee jump? Use the engineering design process to solve many fun design challenges.

**Electricity and Magnetism**  
*Magnetismo y Electricidad*

Grade 1, 2



Instructor: Mrs. Griglak  
Room: Mrs. Griglak's Room

Magnets are so magical! How do they work? What are their properties? What do you want to know about electricity? Why can it make lights work and bells ring? Let the scientist in you explore big ideas as you work with magnets, wires and batteries.

**Invention Workshop**  
*Talleres de invención*

Grades 1, 2

Instructors: Ms. Griffin and Ms. Kindem  
Room: Mrs. Thompson's Room



Inventors are people who figure out new and easier ways to do things. Use your creativity to invent all kinds of cool new gizmos.

**Ocean Life**  
*Vida Submarina*

Grades 1, 2



Instructors: Mrs. Bishop and Mrs. Fritz  
Room: Mrs. Schoenbauer's Room

What do octopus, jellyfish, kelp, and whales all have in common? Be an oceanographer and explore the plants and animals that live in the ocean. Study why marine animals are important to humans and what we can do to help protect our oceans.

**Outdoor Observations**  
*Observaciones al Aire Libre*

Grades 1, 2

Instructor: Mrs. Packwood  
Room: Primary Science

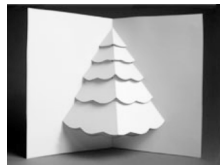


If you like to draw and watch nature carefully, then you are a lot like the famous scientist Beatrix Potter. In this class we will spend time outdoors looking at plants and animals, sketching, taking photographs, and describing what we are observing. Be sure to wear warm clothes, for we will be outside each day.

Field trip: Dakota County Camp Sacagawea Monday

**Paper Engineering**  
*Ingeniería de Papel*

Grades 1, 2



Instructor: Mrs. Klinger  
Room: Mrs. Klinger's Room

Flat paper can be turned into fun 3D forms. Learn the engineering behind how pop-ups work. Use origami folds to create fantastic animals and objects. Your imagination and design skills will be used to make cards, books, animals, and art.

**Planes, Trains, and Automobiles**

Grades 1, 2

*Aviones, Trenes y Automóviles*



Instructors: Mrs. Schoenbauer and Ms. Nelson  
Room: Ms. Nelson's Room

You can build the most awesome cars and trains and airplanes with all kinds of found materials. Which designs are faster? How do wheels work? We will also build special balsam racers.

**Raptor Rapture**

Grades 1, 2

*Aves de Rapiña*

Instructors: Mrs. Gillman and Mrs. Johnson

Room: Mrs. Demmert's Room



Birds of prey are coming to Cedar Park for you to observe up close. Learn about these fabulous birds -- hawks, owls, eagles and falcons. Take a trip to the Raptor Center at the University of Minnesota where they specialize in the medical care and rehabilitation of raptors.

Field Trip: Raptor Center at the University of Minnesota  
Wednesday

**Volcanoes**

Grades 1, 2

*Volcanes*

Instructors: Mrs. Demmert and Mrs. Varner

Room: Science Lab



Explore volcanoes. We'll learn about the different kinds of volcanoes and you will make your own erupting volcano. See how volcanoes affect our world and the role they play in the rock cycle.

**Dominoes, Dice, and Cards**

Grade 2

*Dominos, Dádos, y Cartas*Instructors: Ms. Sundberg  
and Ms. Nelson

Dominoes, dice, and card games – what a fun way to learn more about math. We will make lots of different math games and play with each other in class. You will also take home your own set of dominoes, dice, and cards so you can play with your family.