

Grade Kindergarten

Art and Music

Cover two disciplines in one hour! Each session, students will follow a different theme in art which carries over into music. In art, students will complete a wide variety of activities which may include painting, drawing, collage work, sculpture, and puppetry. In music, students will explore the world around them using a variety of media, including song, movement, and homemade instruments.

Brain Boosters K

Think outside the box. Designed specifically to build higher levels of thinking, this course will use a variety of fun activities and games to develop divergent and convergent thinking skills and creativity.

Chess for All

Professional chess instruction will include opening game principles, middle game combinations with strategies and tactics plus end game ideas for an exciting and interesting experience with the "sport of the mind" CHESS. Each student will move to a new level of expertise through their 2-week session.

Diggin' Dinos

Dig into the fascinating, extinct world of dinosaurs in this beginning level class. Become a junior paleontologist and learn all about dinosaurs including their names, size, habitats, and more. We will excavate a fossil, step into the shoes of dinosaurs and even create our own new species of dinosaurs. Come along on this prehistoric journey!

Experiment

Think scientifically. Students will be introduced to scientific methods through a variety of thought-provoking hands-on experiments by predicting, recording, and keeping in a science journal.

FUNtastic Fine Arts

Cover multiply disciplines in one hour! Each session, students will follow a different theme in literature which carries over into art and music. In art, students will complete a wide variety of activities which may include painting, drawing, collage work, sculpture, and puppetry. In music, students will explore the world around them using a variety of media, including music, movement, and homemade instruments.

Kids in Action

Let's challenge ourselves! Avery Coonley's outdoor challenge course will be the setting for this dynamic class. We will play games utilizing our low ropes course, adventure elements, and Avery Coonley's beautiful woodland backyard. We will have a blast while playing games that incorporate physical activity, creativity, and adventure. Our goal for

your child is to gain confidence, develop self-awareness, increase cognitive skills, and have fun!

Let's Get Ready to Read

Build the skills needed to read. Using a variety of stimulating, fun activities, this course focuses on the early literacy skills which help develop confident readers.

Math and Literature

Sharpen thinking skills. Children's literature is filled with math concepts such as counting, sequencing, patterns, and geometry. Using classic and new picture books, students will develop math and number sense. This class provides great integration of learning.

Mini Muscles

A real hands-on experience! Students will use a variety of manipulatives, such as Play-doh, pipettes, sand trays, and Wikki Sticks to strengthen their hand and arm muscles. A fun and messy way to further develop the fine motor skills that students will need during their Kindergarten year.

The Nature Class

Learn about the lives of plants and animals. Using a variety of activities, such as raising plants, identifying plants and insects on nature walks, interacting with stories about nature, and creating artwork with items found in nature, students will gain a better understanding of the natural world.

NU CTD Engineering Pathway

Week 1: Building Bridges – Students playfully learn about different kinds of bridges and how they are used. They build their own bridges and test their bridge's strength. Week 2: Designing Sailing Ships – Students learn how ships are designed and built. They examine the parts of ship, including keels, hulls and masts. They build simple vessels and test their vessel's sea-worthiness. In both weeks, students develop problem-solving and design-thinking skills.

NU CTD Life Science & STEM Pathway

Week 1: Animals Big & Small - Students playfully learn about creatures in the animal kingdom. They strengthen math, science, and literacy skills as they use standard and non-standard measurements, order and classify animals in logical ways, and identify common characteristics. Week 2: NU STEM Academy - Students explore a variety of STEM topics using a hands-on, imaginative approach. They strengthen problem-solving and reasoning skills.

NU CTD Physics & Technology Pathway

Week 1: Robots & Coding – Students leave screens behind to play and learn about coding with a variety of friendly robots. Through storytelling, building and tangible programming, students extend their understanding of computer coding concepts and build computational thinking and spatial reasoning skills. Week 2: Physics: Force & Motion – Students push, pull, and play their way to understanding the physics of force and motion. They test, measure and experiment as they apply engineering and physical science concepts.

Once Upon a Time

Fairy tales and superheroes come alive. Participants will sharpen skills in reading, creative thinking, art, and acting as they enjoy a variety of stories from the world of fantasy.

Patterns & Rhymes

Time to rhyme and play with patterns. Children will find, extend, and create patterns in pictures, words, poetry, reading, math, music, and movement. A cross-curricular class to develop thinking skills and discover that patterns and rhymes are everywhere!

Pushes, Pulls, and Pins

Welcome to Pushes, Pulls, and Pins: where forces meet bowling. Students build their very own electronic tabletop version of a bowling game. The project uses light sensors to know how many pins are knocked down and students use programming to keep score. Students explore the forces of pushes and pulls through explorations of the project's components. They let their creative juices flow with artwork and by designing displayed images to indicate strikes and spares. Students get to keep their projects and take them home to play with their family and friends!

T-Ball

Play ball! Players in this class will be taught a basic understanding of the fundamental rules of the All-American game while working on developing control of various muscles as they hit, run, field, and throw. This is a great way to enter the sports of baseball and softball.

Yoga for Kids

Have fun while developing focus, awareness, and coordination. Taught by a trained yoga instructor, this class stresses flexibility and balance as students participate in imaginative poses, games, songs, and relaxation - a beneficial class for the whole body.

KINDERGARTEN

Session 1	9:00		Session 1	10:00		Session 1	11:00
Brain Boosters K			FUNtastic Fine Arts			Mini Muscles	
Patterns and Rhymes			Let's Get Ready to Read			Once Upon A Time	
T-Ball			The Nature Class			Pushes, Pulls, and Pins	

CTD Engineering Pathway 9-12

Session 2	9:00		Session 2	10:00		Session 2	11:00
Let's Get Ready to Read			Math & Literature			Art and Music	
The Nature Class			Mini Muscles			Experiment	
			Once Upon A Time			Kids in Action	

CTD Physics and Technology Pathway 9-12

Session 3	9:00		Session 3	10:00		Session 3	11:00
Art and Music			Brain Boosters K			Let's Get Ready to Read	
Chess For All			Diggin Dinos			Patterns and Rhymes	
Experiment			The Nature Class			Yoga for Kids	

Pushes, Pulls, and Pins

CTD Life Science and STEM Pathway 9-12