

## Grade 1

### **Advanced Beginner Swim (Sessions 1, 2, and 3)**

To determine your child's ability level, please refer to the description below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level. *A student must be enrolled in Enrichment and Recreation to participate in the swimming program.*

**Advanced Beginner:** Child must be able to swim the length of the pool (25 yards) using the freestyle stroke in 7-foot deep water.

### **Animals in Art (Session 3)**

Join our art safari! Students who love animals will enjoy creating a variety of paintings, drawings, and clay pieces inspired by animals found in their natural settings as well as animals found in famous paintings by artists such as Henri Rousseau.

### **Art and Music (Sessions 1 and 2)**

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 songs, movements, and homemade instruments.

### **Artworks (Session 3)**

Be creative! Students will strengthen their problem-solving skills by engaging in art activities that will require them to think creatively, develop unique details and style, and produce individual solutions. Students will be introduced to the artistic process and to historical artists who were confident in being themselves.

### **Batter Up! (Session 2)**

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 striking and fielding games.

### **Beginner Swim (Sessions 1, 2, and 3)**

To determine your child's ability level, please refer to the description below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level. *A student must be enrolled in Enrichment and Recreation to participate in the swimming program.*

**Beginner:** Child must be able to comfortably submerge their head in the pool.

### **Chess: Basics and Beyond (Sessions 1, 2, and 3)**

This beginning level class is designed to take each student from basic knowledge to a more proficient level of play. Students will: • Learn opening principles of the game: setting up the board and moving the pieces • Study special rules: castling, under promotion, and en passant • Understand pins, forks, check and checkmate • Master quick ways to win, including the 4-move checkmate and the 2-move checkmate • Study the history of chess ... and much more.

### **Chess: Competitive (Sessions 1, 2, and 3)**

This class is for students with advanced technical knowledge of the game and who enjoy competitive game play. This is the ideal choice for students who would like to compete in state and national tournaments. Students will: • Study notation • Review famous games • Practice the rules of tournament play • Learn more complex openings • Practice understanding the opponent • Study end game techniques ... and much more.

### **Chess: Great Gameplay (Sessions 1, 2, and 3)**

This class requires knowledge of all concepts listed under "Basics and Beyond." This course focuses on starting and completing a full game. Students will: • Review tactics such as pins, forks, and getting out of check • Learn notation • Master opening strategies and middle game planning • Study common end game combinations such as king and two rooks, king and queen, and king and one rook • Review games ... and much more.

### **Diggin' Dinos (Session 3)**

Dig into the fascinating, extinct world of dinosaurs. In this introductory class, students will become junior paleontologists and study a variety of these terrestrial reptiles focusing on names, classifications, sizes, habitats, food, and more.

### **Escape (Session 1)**

Help open the lock! Participants work together to solve a series of engaging problems to achieve a common goal: open the locked box. A class that cultivates the life-long skills of critical thinking, collaboration, creativity, and communication.

### **Exploring Math (Sessions 1, 2, and 3)**

Enhance the mathematical skills learned in the early grades. Students will participate in many fun, hands-on math activities that incorporate art, literature, manipulatives, and puzzles. Each session is different, so sign up for more math fun. This is an exploratory course, not a review class.

### **FUNtastic Fine Arts (Sessions 2 and 3)**

Cover multiple 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.

### **Hands off! Feet only (Session 3)**

World Cup winner! This course teaches basic skills and rules for the most popular sport in the world. Great for those who have little or no experience, or those who just want to get better at the basics.

### **Interesting Insects (Sessions 1, 2, and 3)**

More bugs live in a square yard of your lawn than humans live in your neighborhood. Using an investigative method, this popular class will help students shrink into the tiny world of insects and view their effects on the environment, both good and bad.

### **International Children's Games (Sessions 2 and 3)**

Learn about children and customs from places around the world through their play, games, and hands-on activities. This course is designed to expose students to various heritages worldwide through the eyes of children.

### **Little Leapers Obstacle Course (Session 3)**

Little Leapers is all about learning to move like a pro! Students will practice parkour-inspired skills like jumping, vaulting, and balancing using the Railyard Fitness course in a safe and supportive environment. Each obstacle is designed to help build body awareness and agility while having a great time. Kids will navigate new courses each day, making every class an adventure in movement!

### **Living Under the Sea (Sessions 1, 2, and 3)**

Put on your mask and flippers and dive right in! Students will explore the fascinating fish and animals that call the ocean home.

### **Making it Work (Sessions 1 and 2)**

"Forces at Work": Students will explore pushing and pulling forces as they work to make simple machines. Levers, pulleys, inclines, and axles will be explored as we make our own catapults, pulleys and more. This course will be hands-on as students design, plan, create, test and improve their creations.

### **Movin' and Groovin' (Session 3)**

Develop and challenge your expressive and creative talents through a variety of dance movement explorations. No previous dance experience is required. Each session culminates in an informal presentation for family and friends. Comfortable, loose clothing should be worn.

### **Natures Canvas (Session 1)**

Nature provides the backdrop for this hands-on artistic adventure. Learn about the lives of plants and animals. Using a variety of activities, such as 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 Animal Adaptations: Zoology (Session 1)**

In this course, young zoologists investigate amazing animals from around the world, each with astounding physical traits and behaviors that help them survive in their environments. Through research and hands-on activities, students learn about animal classification, a variety of habitats, and the survival methods of animals that live in them. Students are challenged to advance their critical thinking skills as they consider the implications of environmental changes for future generations of species.

**Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

### **NU CTD Awesome Explosions and Collisions (Session 3)**

What can be learned from investigating collisions and explosions? Hands-on science experiments allow students to bump, crash and jolt a wide variety of materials. Students develop critical thinking skills as they explore how explosive phenomena such as impact craters, the Big Bang, and plate tectonics reveal a wealth of scientific knowledge about our world.

**Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

### **NU CTD Engineering Simple Machines (Session 2)**

Young engineers develop an understanding of simple machines, exploring terms like work, energy, force, and effort through hands-on experiments. Students gain experience with foundational physics concepts with wheels and axles, wedges, pulleys, screws, inclined planes, and levers. Discover where these machines are used in everyday life and then apply this knowledge to create original multi-step machines that perform simple tasks.

**Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

## **NU CTD Grossology: Fascinating Systems of the Human Body (Session 2)**

The human body conducts fascinating and sometimes repulsive bodily functions, but all serve a valuable purpose. From spit and vomit to sweat and snot, curious students expand their critical thinking skills as they engage in experiments and activities to learn about systems of the human body and their role in indicating illness and maintaining health. This course builds fundamental biology skills for future study.

### **Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

## **NU CTD Solution Sleuths: Experts in Problem Solving (Session 3)**

A fire engine travels five miles to a fire at a speed of 60mph. Its tank holds 500 gallons of water, but it has been leaking throughout the journey at a rate of 5 gallons per minute. How much water is left in the tank when it arrives at the fire? By learning and applying strategies, students grapple with mind boggling and brainteasers to determine the best solutions to real-life problems. Mathematical dexterity is enhanced as young learners think about, solve, and create their own complex and interesting problems utilizing operations such as multiplication and division.

### **Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

## **NU CTD Storytelling with Scratch (Session 1)**

How can we tell a digital story? Create original storylines and narratives across genres and animate them in Scratch, a block-based programming language for kids. Design code, sketch animations and backgrounds, and develop characters that tell your story in a digital format. Explore how technology can enrich our storytelling experience and abilities. This interdisciplinary course blends advanced creative writing strategies with computational concepts and integrative problem-solving skills.

### **Special Notes:**

- This class is a 3-hour course. No other Enrichment courses can be chosen during the session.
- Lunch and recreation can be added to the registration of this class.

## **Read, Write (Sessions 1, 2, and 3)**

Reinforce the reading, decoding, phonetic, and writing skills developed in kindergarten. Literature-based lessons will incorporate exciting read-aloud, writing, and art projects. Each session's stories and activities will be different and unique, so sign up more than once and help your child to READ and to WRITE all summer long.

### **Science Sampler (Sessions 1, 2, and 3)**

Investigate scientific areas such as color and light, rocks and minerals, plants and animals, land and water, planets, and more! Hands-on experiments lead students to an interest in and knowledge of various aspects of science.

### **See The USA (Sessions 1 and 3)**

Learn about a state a day! Students will play games, sing songs, and solve puzzles as they discover interesting facts about a different state each day. Included in this fun study will be its location, its capital, its nickname, its bird, some of its famous people and landmarks. A great introduction for future Social Studies classes.

### **Taking Root (Session 3)**

Help your students “take root” in this class. Increase students’ understanding of trees and seeds around us. This class will include activities focused on seed growth and dispersal, tree life cycle, and habitat characteristics. Unique to Avery Coonley is the access to the wonderful Maple Grove Forest Preserve just next door. Students will be able to witness in real time all that the forest provides us.

### **Theater Arts for the Younger Student (Sessions 1 and 2)**

Do you have a flair for the dramatic? Put that creative energy to use! The focus of this course will be to develop imagination and creativity through a variety of games and activities which are designed for full and active participation by all students. Each session will culminate in a public performance for family and friends.

### **Your Amazing Body (Sessions 1 and 2)**

What a wonderful body you live in! Students will gain knowledge and appreciation for their bodies as they study the organs, bones, muscles, skin, the heart, and how the body protects itself.

# Grade 1

Class	Grades	9:00	10:00	11:00	
<b>Session 1</b>					
Art and Music	K-1			X	
Chess: Basics and Beyond	K-8		X		
Chess: Competitive	K-8			X	
Chess: Great Gameplay	K-8	X			
Escape!	1-2			X	
Exploring Math	1-2		X		
Interesting Insects	K-1	X			
Living Under the Sea	K-1		X		
Making it Work	1			X	
Nature's Canvas	K-1		X		
NU CTD Animal Adaptations : Zoology	1-2	X	X	X	
NU CTD Storytelling with Scratch	K-1	X	X	X	
Read, Write!	1-2	X			
Science Sampler	1-2		X		
See the USA	1-2			X	
Theater Arts for the Younger Student	1-2		X		
Your Amazing Body	1-2	X			
<b>Session 2</b>					
Art and Music	K-1		X		
Batter Up!	K-1	X			
Chess: Basics and Beyond	K-8	X			
Chess: Competitive	K-8		X		
Chess: Great Gameplay	K-8			X	
Exploring Math	1-2	X			
Funtastic Fine Arts	K-2			X	
Interesting Insects	K-1		X		
International Children's Games	1-2		X		
Living Under the Sea	K-1			X	
Making it Work	1	X			
NU CTD Engineering: Simple Machines	1-2	X	X	X	
NU CTD Grossology: Fascinating Systems of the Human Body	1-2	X	X	X	
Read, Write!	1-2			X	
Science Sampler	1-2	X			
Theater Arts for the Younger Student	1-2	X			
Your Amazing Body	1-2		X		

Session 3					
Animals in Art - Jungle!	1-2	X			
Artworks	1-2			X	
Chess: Basics and Beyond	K-8			X	
Chess: Competitive	K-8	X			
Chess: Great Gameplay	K-8		X		
Diggin' Dinos	1-2			X	
Exploring Math	1-2			X	
Funtastic Fine Arts	K-2		X		
Hands off! Feet only	1-2			X	
Interesting Insects	K-1			X	
International Children's Games	1-2	X			
Little Leapers Obstacle Course	K-2	X			
Living Under the Sea	K-1	X			
Movin' and Groovin'	1-2	X			
NU CTD Awesome Explosions and Collisions	1-2	X	X	X	
NU CTD Solution Sleuths: Experts in Problem Solving	1-2	X	X	X	
Read, Write!	1-2		X		
Science Sampler	1-2			X	
See the USA	1-2	X			
Taking Root	1-2		X		