

Grade 2

Advanced/ Beginner Swim (Sessions 1, 2, and 3)

To determine your child's ability level, please refer to the descriptions below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level.

Note: A student must be enrolled in Enrichment/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.

Ahoy, Mateys! (Session 1)

Join the crew! Swashbucklers in this cross-curricular class will experience the life of pirates by learning the lingo, making treasure maps, designing flags for their ships, navigating using stars and compasses, wearing eye patches, learning about famous pirates, and more. Fun-rated: Aargh!

Beginner Swim (Sessions 1, 2, and 3)

To determine your child's ability level, please refer to the descriptions below. All children will be tested by the instructors on the first day of each session and appropriately placed based on their ability level.

Note: A student must be enrolled in Enrichment/Recreation to participate in the swimming program.

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

Build a World (Sessions 2 and 3)

In this creative, geography-based class, students will imagine and build their very own world. Through mapmaking, culture creation and landmark design, students will blend storytelling, geography, and art to develop a unique civilization from the ground up. Along the way they will draw, build, write, and explore as they bring their original world to life.

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.

Democracy for Kids: Mini-Town Council (Session 3)

In this class, young students learn how democracy works by creating their own "mini town," making simple rules together, and practicing how voting, turn-taking, and listening to others' ideas help groups make decisions. They'll hold pretend elections (with kid-friendly "issues" like which game to play or how to decorate the room), run a mini "town council" meeting, and see how everyone's voice can shape what happens in their community.

Diamonds and Perlors (Session 3)

Take time to follow patterns or create your own with diamond art, Perler fusion beads, and more. Through these fine motor crafts, students will have the freedom to create beautiful art on a smaller level using different three-dimensional mediums. This class will be self-paced and flexible so that students can create what they'd like over the two-week session. All projects will be sent home as they are completed.

Diggin' Dinos (Session 1)

Dino Detectives: Explore the World of Dinosaurs. Dig into the fascinating, extinct world of dinosaurs! In this introductory class, students become junior paleontologists as they study different dinosaurs – learning their names, classifications, sizes, habitats, diets, and more. A prehistoric adventure awaits!

DNA Detectives: Genetics and Traits in Play (Session 3)

Become a game designer in this biology-inspired maker space class! Students will use digital fabrication tools and creative materials to design board games where players build creatures, solve puzzles, or evolve species. Genetics and traits serve as a fun theme, guiding the design of cards, tokens, and game pieces, but the focus remains on crafting engaging mechanics, strategy, and playable games. By the end, each student will have a one-of-a-kind game that's imaginative, interactive, and 100% hands-on!

Materials fee: \$25.00

Enchanted Castle (Sessions 1 and 2)

Journey into the world of classic fairy tales to develop literacy, creativity, and higher-level thinking skills. Through interactive activities, vocabulary-building exercises, and guided discussions, they examine story elements, themes, and character traits. The program concludes with each student crafting an original fairy tale to share with family and friends.

Escape! (Session 2)

Help Open the Lock! Team up to crack the code and unlock the mystery! Participants work together to solve a series of engaging puzzles, building essential skills in critical thinking, collaboration, creativity, and communication. A fun, hands-on challenge that strengthens teamwork and problem-solving—perfect for curious minds!

Exploring Math (Sessions 1, 2, and 3)

Math Explorers: Hands-On Fun with Numbers! Build early math skills through fun, hands-on activities that bring numbers to life! Students will explore math using art, literature, manipulatives, and puzzles. Each session introduces fresh challenges and creative ways to think about math. This is an exploratory course designed to spark curiosity – not a review class – so students are encouraged to sign up for multiple sessions and keep the math adventure going!

FUNtastic Fine Arts (Sessions 1 and 2)

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.

Galactic Game Design: Exploring Space through Play (Session 1)

Blast off into the universe of creativity! In this out-of-this-world makerspace class, students will design board games inspired by astronomy, planetary exploration, and space missions. Using tools like 3D printers and laser cutters, participants will create custom planets, rockets, and cosmic tokens as they learn about orbits, gravity, and the challenges of space travel. By weaving real science into their gameplay, students will develop strategy, storytelling, and design skills – culminating in a board game that's truly universal fun!

Materials fee: \$25.00

Hands off! Feet only! (Session 3)

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

History Quest: Time Travelers Game Design (Session 2)

Step into the makerspace and bring history-inspired adventures to life through board game design! In this creative, hands-on class, students will use digital fabrication tools – such as 3D printers, laser cutters, and craft materials – to design and build their own playable board games. Drawing inspiration from historical eras or events, students might create challenges set in ancient civilizations, medieval kingdoms, or future reinterpretations of the past. The focus will be on developing engaging game mechanics, designing custom pieces, and crafting immersive visuals. By the end of the session, each student will have a one-of-a-kind board game that blends creativity, storytelling, and maker skills!

Materials Fee: \$25.00

International Children’s Games (Sessions 2 and 3)

Play Around the World! Discover how children from different cultures play and learn! Through games, stories, and hands-on activities, students will explore traditions and customs from around the globe – seeing the world through the eyes of kids just like them.

Intro to Theater (Session 3)

Do people call you dramatic? Do you love to make others laugh or create make-believe worlds? Then this is the class for you! Students will develop their imagination and creativity through fun improvisation games and by reenacting favorite short stories. Along the way, they’ll strengthen speaking, listening, and teamwork skills – all while building confidence in front of an audience. Each session will culminate in a short performance for family and friends!

It’s Greek to Me (Sessions 2 and 3)

Journey to Mt. Olympus! Travel back in time and embark on an adventure through Greek mythology! In this immersive course, students will study the fascinating stories of the Olympian gods and goddesses, uncovering their personalities, powers, and legendary adventures. Beyond the myths themselves, students will explore how these ancient tales connect to modern culture, language, art, and even everyday life. Through discussions, creative projects, and storytelling, learners will deepen their understanding of mythology and its lasting impact on society. Join us to climb Mt. Olympus and discover a world full of gods, heroes, and timeless stories!

Little Community Helpers (Sessions 1 and 3)

Young students work together to design a pretend town with houses, parks, schools, and community helpers, using art supplies and big floor maps. Through cooperative games and role-play, they learn how neighbors, helpers, and teams all connect to keep a community safe and happy.

Little Leapers Obstacle Course (Session 1)

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!

Miniature Home Designer! (Sessions 1 and 2)

During this two-week session, students will explore the elements of good home design. Thinking about form, function, and aesthetics, students will design an actual miniature home with paint, textiles, furniture, and more. Miniature houses, including all the designed components from class, will be sent home at the end of the two-week session to keep! Bring your best design ideas and get ready to make it a reality!

Materials fee: \$45.00

Movin' and Groovin' (Session 2)

Develop and challenge your expressive and creative talents through a variety of dance and movement explorations. No previous dance experience is needed - just bring your energy and imagination! Each session concludes with a relaxed performance to share with family and friends.

Note: Comfortable, loose clothing should be worn.

NU CTD Astronomy and Physics (Session 2)

Where are the stars during the day? Why is the universe constantly in motion? Can anything overcome gravity? Discover which forces in the universe keep the planets in motion and explore the mysteries of our solar system. Conduct experiments to explore the effects of gravity and write lab reports, while becoming acquainted with the scientific method.

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 Detective Math (Session 3)

A good detective looks for clues and patterns to solve a mystery. Identify patterns to break math codes, apply problem solving strategies to decipher logic puzzles, and create simple equations based on story problem clues. Test your new math and deductive reasoning skills on other detectives by creating your own stories, riddles, and mysteries!

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: Designing Sailing Ships (Session 2)

Imagine vessels on which to sail the seas and then set a course to learn about how ships are designed and built. Like naval architects, examine the keels, hulls, and masts of a variety of ships and the methods used to assemble them, extending analytical and engineering skills throughout the process. The design and problem-solving approaches used in this course are foundational for the ongoing study of engineering and architecture.

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 Life Science: Blood and Bones (Session 3)

Can you believe your bones and blood are constantly buzzing with activity? Investigate systems of cells circulating within the human body. Engage in activities ranging from creating models of cells and organs to demonstrating the effects of exercise on circulation. Hone your scientific inquiry skills by making connections between your experiences and new knowledge of the skeletal and circulatory systems.

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 Physics: Force and Motion (Session 1)

In this fast-paced course, investigate and apply physics principles by designing and building marble mazes and vehicles that move. What begins as a question of speed becomes a fun ride on the road of creative reinvention, where design engineering skills get better with every test drive. Can you win a marble maze race by going the slowest? Discuss physics examples from human history and the animal world. Skills in computational thinking, observation, and data collection are developed for the ongoing study of engineering, physics, and other lab sciences.

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 Young Entrepreneurs: Business Origins (Session 1)

How did businesses like Netflix, Apple, and Starbucks start? What was their initial mission and what drives them today? In this course, learn about the origin stories of your favorite businesses, both big and small. Research and craft questions to better understand the initial goals, targeted audience, and growth of a business. Develop analytic thinking skills as you use numbers and words to tell the story behind your favorite business' success. Ultimately, work to propose ideas for an existing business' future growth or become an entrepreneur as you write your own business' origin story.

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.

Parkour Challenge Course (Session 2)

Take movement skills to the next level. Using the Railyard Fitness system, students will practice parkour basics like vaults, precision jumps, and soft landings. Each session includes a dynamic obstacle layout with balance beams, platforms, and jumps, where students can test their speed, agility, and creativity. With new setups each day, this course builds strength, confidence, and problem-solving skills while making fitness an exciting adventure!

Parlare, Ballare, Cantore! (Session 2)

Learn basic Italian greetings, sayings, colors, songs, and foods with fun songs, stories, maps, pictures, and dances. Students will build confidence while exploring the basics of a new language.

Passport Around the World (Session 2)

In this class, students will explore the geography, culture, and traditions of other countries around the world through videos, stories, music, and hands-on activities. They will learn fun facts about faraway places and get a better understanding of the big and diverse world around us.

Read, Write! (Sessions 1, 2, and 3)

Build on the reading, decoding, and writing skills developed in kindergarten through fun, literature-based lessons. Each session features exciting stories, reading strategies, writing exercises, and creative projects – each one unique! Sign up for multiple sessions and help your child grow confident in reading and writing.

Science Sampler (Sessions 1, 2, and 3)

Dive into the wonders of the world around us! In this hands-on class, students will explore exciting scientific topics such as color and light, rocks and minerals, plants and animals, land and water, and even outer space. Through interactive experiments and investigations, young scientists will build curiosity, knowledge, and a lasting love of discovery.

See The USA (Sessions 1 and 3)

Pack your bags for a journey across America – no passport required! Each day, students will explore a different U.S. state through engaging games, catchy songs, fun puzzles, and hands-on activities. Along the way, they'll discover each state's location, capital, nickname, state bird, famous people, and iconic landmarks. This class offers a lively and memorable introduction to U.S. geography and history – perfect preparation for future Social Studies success!

Seven Windows on the Forest (Sessions 1 and 3)

This interdisciplinary adventure invites students to explore the interconnected world of forests and the creatures that inhabit them. By integrating math, science, and language arts, learners will develop a deeper understanding of the importance of trees, ecosystems, and the delicate balance of nature.

Sports Around the World (Session 1)

Explore how different countries play, celebrate, and connect through sports! In this class, students will learn about popular games and athletic traditions from around the globe from soccer in Europe to cricket in India and baseball in Japan. Students will discover the history, culture, and values behind each sport and even try some fun, hands-on activities inspired by international games.

Story Builders (Sessions 1, 2, and 3)

This class is an opportunity for students to explore different styles of writing, such as folk tales, fables, adventure stories, and mysteries. They will use what they learn to write and illustrate a number of their own short stories. By the end of the class, they will have a small collection of personal stories that they created to share and read with their families.

Taking Root (Session3)

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 (Session 1)

Do you have a flair for the dramatic? Put that creative energy to good use! This high-energy course is all about building imagination, confidence, and collaboration through a variety of theater games and activities. Designed for full and active participation, students will explore acting, movement, improvisation, and character development. Each two-week session will culminate in a lively public performance that showcases their hard work and creativity on stage. No previous experience needed – just bring your enthusiasm!

Vive la France (Session 2)

Embark on a journey through France as you learn about delicious French foods, play authentic French games, and take virtual visits to famous French monuments. In this introductory course for beginning French students, you’ll learn basic expressions and vocabulary through interactive games, songs, and group activities. Perfect for students with no prior background in French!

Your Amazing Body (Sessions 1 and 2)

Explore the incredible machine that is your body! In this hands-on course, students will learn about the major systems that keep us moving and healthy. They’ll study the skeleton structure, how muscles work to create movement, the protective role of the skin, and the vital functions of the heart and circulatory system. Students will also discover how the body defends itself from germs and heals after injury, fostering a deeper understanding and appreciation of their own health and wellbeing. Through fun activities and experiments, this course brings the human body to life in a way that’s both educational and exciting!

Grade 2

CLASS	GRADES	9:00	10:00	11:00	12:30
Session 1					
Ahoy Mateys!	2-3	X			
Chess: Basics and Beyond	K-8		X		
Chess: Competitive	K-8			X	
Chess: Great Gameplay	K-8	X			
Diggin' Dinos	1-2		X		
Enchanted Castle	2-4		X		
Exploring Math	1-2	X			
FUNtastic Fine Arts	K-2			X	
Galactic Game Designers: Exploring Space Through Play	2-3	X			
Little Community Helpers	1-3			X	
Little Leapers Obstacle Course	K-2	X			
Miniature Home Designer!	2-4			X	
NU CTD Physics: Force and Motion	1-2	X	X	X	
NU CTD Young Entrepreneurs: Business Origins	1-2	X	X	X	
Read, Write!	1-2	X			
Science Sampler	1-2		X		
See the USA	1-2		X		
Seven Windows on the Forest	2-4		X		
Sports Around the World	2-4			X	
Story Builders	2-3	X			
Theater Arts for the Younger Student	1-2	X			
Your Amazing Body	1-2			X	
Session 2					
Build a World	1-2			X	
Chess: Basics and Beyond	K-8	X			
Chess: Competitive	K-8			X	
Chess: Great Gameplay	K-8		X		
Enchanted Castle	2-4		X		
Escape!	1-2		X		
Exploring Math	1-2		X		
FUNtastic Fine Arts	K-2			X	
History Quest: Time Travelers Game Design	2-3	X			
International Children's Games	1-2	X			
It's Greek to Me	2-3	X			
Miniature Home Designer!	2-4			X	
Movin' and Groovin'	1-2		X		

NU CTD Astronomy and Physics	1-2	X	X	X	
NU CTD Engineering: Designing Sailing Ships	1-2	X	X	X	
Parkour Challenge Course	2-4	X			
Parlare! Ballare! Cantore!	1-3	X			
Passport Around the World	2	X			
Read, Write!	1-2	X			
Science Sampler	1-2			X	
Story Builders	2-3		X		
Vive la France	2-4		X		
Your Amazing Body	1-2		X		
Session 3					
Build a World	1-2	X			
Chess: Basics and Beyond	K-8			X	
Chess: Competitive	K-8		X		
Chess: Great Gameplay	K-8	X			
Democracy for Kids: Mini Town Council	2-3	X			
Diamonds and Perlors	1-4		X		
Diggin' Dinos	1-2			X	
DNA Detectives: Genetics and Traits in Play	2-3	X			
Exploring Math	1-2			X	
Hands Off! Feet Only	1-2			X	
International Children's Games	1-2		X		
Intro to Theater	2-3		X		
It's Greek to Me	2-3		X		
Little Community Helpers	1-3		X		
NU CTD Detective Math	1-2	X	X	X	
NU CTD Life Science: Blood and Bones	1-2	X	X	X	
Read, Write!	1-2	X			
Science Sampler	1-2			X	
See the USA	1-2	X			
Seven Windows on the Forest	2-4	X			
Story Builders	2-3			X	
Taking Root	1-2		X		