

## **Grades 1 and 2**

### **Ahoy, Mateys!**

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: Arrr!

### **Animals in Art**

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 for the Heart**

Creative mindfulness is the goal for this class! Join us through many art strategies and projects that help facilitate mindfulness and self-care. Based on the basics of art therapy, students will gather skills to carry through everyday life while having a blast being creative.

### **Artwork Alive**

Make your artwork come alive! Learn about several artists and recreate their work to make your very own masterpieces. Use that creativity to develop props for a story that will be performed in class.

### **Artworks**

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 come up with individual solutions. Students will be introduced to the artistic process and to historical artists who were confident in being themselves.

### **Beginner Swim**

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 on their ability level.

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

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

### **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 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**

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**

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**

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.

### **Interesting Insects**

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.

### **Living Under the Sea**

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

### **Movin' and Groovin'**

Develop and challenge your expressive and creative talents. This course will guide students to do this 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.

### **Music Appreciation**

This course is intended for younger students with no background in music who would like to develop a theoretical and practical understanding of music and how music works. Students will be introduced to the technical details of music such as musical symbols and rhythm. Students will also learn the different musical instruments and their sounds.

### **NU CTD Earth Science & STEM Pathway**

Week 1: Underwater Explorations – Curiosity and scientific thinking rise to the surface through playful hands-on activities in this introductory earth science course. Students engage in inquiry and systems thinking. Week 2: NU STEM Academy - 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. STEM topics vary from week to week.

### **NU CTD Life Science & STEM Pathway**

Week 1: Blood and Bones – Young biologists investigate human body systems, including the circulatory and the skeletal system. They create models and explore the effects of exercise on physical health. 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. STEM topics vary from week to week.

### **NU CTD Life Science & STEM Pathway**

Week 1: Zoo Vets – Students investigate life sciences by focusing on zoo animals. They explore what animals need to survive in their habitats, and how veterinarians and scientists help protect animal species. 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. STEM topics vary from week to week.

### **NU CTD Life Science & STEM Pathway**

Week 1: Grossology: The Human Body Students explore the human body's fascinating and sometimes repulsive bodily functions, all of which serve a valuable purpose. From spit and vomit to sweat and snot, curious students expand their critical thinking skills during experiments and activities related to systems of the human body. - 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. STEM topics vary from week to week.

### **NU CTD Physics & STEM Pathway**

Week 1: Race Cars to Rockets – Students investigate and apply physics principles by designing and building objects and vehicles that move and crash. Students apply design-engineering, computational thinking, and data-collection skills. 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. STEM topics vary from week to week.

### **NU CTD Physics & STEM Pathway**

Week 1: Exploring Circuits – Students learn the fundamentals of electricity and circuits, and how to think like electrical engineers. 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. STEM topics vary from week to week.

### **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!

### **Read, Write**

Reinforce the reading, decoding, phonetic, and writing skills developed in kindergarten. Literature-based lessons will be taught by a licensed teacher who 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**

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 and knowledge of various aspects of science.

### **Soccer Skills**

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.

### **Theater Arts for the Younger Student**

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 two-week session will culminate in a public production.

### **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.

### **Your Amazing Body**

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.

## 1st and 2nd Grade

Session 1	9:00
Art for Heart	
BEG/SWIM	
Diggin Dinos	
Movin' and Groovin'	
Music Appreciation	

Session 1	10:00
Artwork Alive	
Chess For All	
Read, Write	
Theater Arts for the Younger Students	

Session 1	11:00
Ahoy, Mateys!	
BEG/SWIM	
Exploring Math	
Pushes, Pulls, and Pins	

CTD Earth Science and STEM Pathway 9-12

CTD Life Science and STEM Pathway 9-12

Session 2	9:00
Animals in Art - It's a Jungle!	
Chess For All	
Escape	
Exploring Math	
Interesting Insects	
Music Appreciation	

Session 2	10:00
Art for Heart	
BEG/SWIM	
Escape	
Living Under the Sea	
Science Sampler	

Session 2	11:00
Artwork Alive	
BEG/SWIM	
Read, Write	
Theater Arts for the Younger Students	
Your Amazing Body	

CTD Life Science and STEM Pathway 9-12

CTD Physics and STEM Pathway 9-12

Session 3	9:00
Artwork Alive	
BEG/SWIM	
Pushes, Pulls, and Pins	
Read, Write	
Yoga for Kids	

Session 3	10:00
Artworks	
BEG/SWIM	
FUNtastic Fine Arts	
Interesting Insects	
Soccer Skills	

Session 3	11:00
Art for Heart	
Chess For All	
Living Under the Sea	
Science Sampler	

CTD Physics and STEM Pathway 9-12

CTD Life Science and STEM Pathway 9-12