

Afternoon Challenge Course Selections by Cohort – Session 2

Explorers – campers that are currently in Kindergarten or 1st Grade the 2020-21 school year

48) Dance a Story

1:00

In this class, young dancers will bring books and stories to life. Children will dance along and be given a prompt to create their own choreography, using the story. Cha Cha and Tango with *Giraffes Can't Dance*, create flashlight solos with *Firenze's Light*, dive into a painting with *Flyaway Katie*, and more! This class is active, interactive, and filled with opportunities to create. *Taught by BOLD Arts.*

13) Field Sports Jr

1:00

Specifically designed for 5-7 year olds, this sports activity and recreational games program is a wonderful introduction to the world of sports. All activities are designed to enhance and develop motor skills, coordination and sportsmanship through active play and instruction. Some of these activities include: running games, parachute challenges, throwing, catching, kick ball and more.

19) K'NEXplorations

1:00

This is a hands-on building experience designed to promote creativity and problem solving skills. Mathematical and Science design projects will be integrated to develop skill in construction using Rods and Connectors.

53) Pixicade Game Maker

1:00

Have you ever wanted to create your own video game? Do you like to doodle or draw? In this class you will learn how to make your very own video games using Pixicade! All you need to do is draw and then watch your doodles magically come to life as playable games. Campers will learn and use the exciting new Pixicade App and all of it's editing and Power-Up features! This exciting class will teach campers game mechanics and concepts through STEAM and literacy exploration and mini drawing lessons! At the end of the session campers will have a collection of games they created from the stories, characters, goals, worlds, hazards and game challenges developed in class.

Pixicade Kit Fee: \$30

43) Art on the Move

2:00

So much fun for our littlest campers! We will begin each class with a themed dance such as "Hawaiian Luau" or "Animal Safari" and then create an art piece related to our dance using clay, colored pencils, cut paper and more.

21) LEGO WEDO ROBOTICS

2:00

Introduce robotics and computer programming with the award winning Lego WeDo! This is a hands on, challenging and fun way to learn about robots! This class will expose students to engineering, logical thinking, computer programming and team working skills. Campers will build a variety of robots with Lego's and program their models to complete challenges, enhancing creativity and problem solving abilities.

51) My Green Thumb**2:00**

Grow your knowledge of biology, math, agriculture and botany through gardening. We will discuss all the elements of a garden from soil to minerals, organisms and ecosystems. We will “dissect” the parts of a flower and what they do and the processes that help plant growth and expansion. We'll examine how the environment affects plant growth and health as we learn about greenhouses and composting while deciding what herbs and plants we'd like to grow. We will experiment with pH, salinity, nitrate levels, capillary action, make chia pets and more. Best of all we will create our own individual gardens to take home and transplant into our backyards!

33) SOCCER**2:00**

Soccer is the most popular team sport in the world. Learn the strategies for playing offense and defense and improve your dribbling, passing and shooting skills in this fast paced, action packed class.

13) Field Sports Jr**3:00**

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Pioneers – campers that are currently in 2nd or 3rd Grade the 2020-21 school year

21) LEGO WEDO ROBOTICS

1:00

Introduce robotics and computer programming with the award winning Lego WeDo! This is a hands on, challenging and fun way to learn about robots! This class will expose students to engineering, logical thinking, computer programming and team working skills. Campers will build a variety of robots with Lego's and program their models to complete challenges, enhancing creativity and problem solving abilities.

25) NINJA WARRIOR

1:00

In this active class, campers will have fun exploring movement through creative elements. Utilizing props and obstacle courses, all will be physically challenged in a multitude of ways helping them gain body awareness and coordination. Campers will explore a range of movements including dynamic jumping, leaping and running as well as more controlled balance and stretching. Speed and endurance will be improved as well as elements of engagement and focus. The goal of this class is to build body confidence and have fun.

26) ORIGAMI

1:00

The term origami comes from the Japanese words “Oru” meaning “folded” and “Kami” meaning “paper.” It is an ancient art form spanning over 1000 years that has evolved into an international creative pastime! Through literature and folktale, we will learn the exquisite art of paper folding. Using a single (or several sheets) of decorative paper there are infinite creative possibilities and you will be amazed at the results of folding and manipulation! Part sculpture, part paper folding and all rigorous engineering. Origami today, embodies animals and fantasy figures in an array of dimensions.

4) BOLD Pop Dance

2:00

This vibrant dance class blends the energy, freestyling, storytelling and power of hip hop and breaking, with jazz technique, while embracing the creativity of the dancers. Students will develop musicality, choreographic skills, strength, teamwork and confidence both onstage and off. A signature of all BOLD Arts programs is that each person's individual strengths and personality shine through the work we create together. All students will have the opportunity for a virtual performance at the end of the session. *Taught by BOLD Arts.*

45) Code Central: Scratch Game Creators

2:00

Learn coding basics while having fun creating games and animation using the online program known as Scratch. Campers will learn to develop algorithms, use variables, loops and control structures (if/then logic) to create a multi-media experience. Scratch is a drag and drop website which makes programming easy, fun and painless. Campers will create games such as Flappy Birds, Space Invaders, Shoot 'em, Pong, Maze and other games of their own imagination. Your games will have obstacles, dragons, special ghosting and color effects, timers and scoring. Campers will also make beautiful animated art work like whirling spirals, planets circling around the sun in the solar system, and spin art.

33) SOCCER**2:00**

Soccer is the most popular team sport in the world. Learn the strategies for playing offense and defense and improve your dribbling, passing and shooting skills in this fast paced, action packed class.

3) BASKETBALL**3:00**

Campers will learn the FUNdamentals of basketball. Through drills and instruction campers will have a great time practicing dribbling, shooting, jumping and game play that emphasizes teamwork and sportsmanship.

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46) Curious Chef**3:00**

In this class, campers will learn the basics of cooking and healthy eating. Cooking is math, science and an art. Chefs will learn kitchen organization, following directions, measuring and preparing ingredients to complete a recipe from start to finish. Experience making simple foods from scratch and create the foundation to be good chefs and more informed eaters.

Curious Chef Fee: \$90

51) My Green Thumb**3:00**

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Innovators – campers that are currently in 4th or 5th Grade the 2020-21 school year

45) Code Central: Scratch Game Creators

1:00

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7) COMPUTER SIMULATION

1:00

Join us in the computer lab as we delve into simulated strategies and tactics with numerous engaging software titles. These include “Megaman” “Roller Coaster Creator”. “2 Fast Driver”, “Paintball Sim”, “Dancing Craze”, “Crazy Cooking” and more. Computer Sim continues to be one of the most popular classes at Challenge Camp!

50) IRON CHEF

1:00

Designed for campers who have some experience in the kitchen. Learn how to cook breakfast, lunch and dinner dishes for your families! Focus on healthier foods and desserts with less sugar. A chef's knowledge and meal choices really do make a difference in our lives. Campers will learn how to prep ingredients, organize their work space, cook, and plate their well balanced finished foods with pride.
Iron Chef Fee: \$90

33) SOCCER

1:00

Soccer is the most popular team sport in the world. Learn the strategies for playing offense and defense and improve your dribbling, passing and shooting skills in this fast paced, action packed class.

54) Stop Motion Laboratory

1:00

Whether you love drawing, painting and sculpture or whether you would like to write stories or act out dramatic scenes, you will have fun exploring the possibilities of animation. Spend a little time learning the basics of handling the camera setup and stop-motion app, then let your imagination take off as you bring your drawings to life, or create your own 3-D characters with modeling clay. You can also use small toys, or even animate real people in your films. Students will receive a digital copy of their films.

35) SURVIVOR!

1:00

Orienteering, wilderness survival and emergency preparedness is about more than just lighting a fire and pitching a tent. Campers can build a water filter from found objects, communicate with emergency signaling methods, build shelter, find food, make emergency fires more than 5 different ways...even with a cell phone. We will have a scavenger hunt, play camouflage and learn Geocaching. Our session will end with a “wild marshmallow” hunt, s'mores, stories and songs.

3) BASKETBALL

2:00

Campers will learn the FUNdamentals of basketball. Through drills and instruction campers will have a great time practicing dribbling, shooting, jumping and game play that emphasizes teamwork and sportsmanship.

11) DUNGEONS & DRAGONS

2:00

If you can imagine and think of lands and magical creatures, then you can play Dungeons and Dragons. Think of yourself as a character in a book. Imagine magical places and items – many surprises lie ahead.

25) NINJA WARRIOR

2:00

In this active class, campers will have fun exploring movement through creative elements. Utilizing props and obstacle courses, all will be physically challenged in a multitude of ways helping them gain body awareness and coordination. Campers will explore a range of movements including dynamic jumping, leaping and running as well as more controlled balance and stretching. Speed and endurance will be improved as well as elements of engagement and focus. The goal of this class is to build body confidence and have fun.

52) Pinball Wizard

2:00

Construct your own PinBox Pinball machine with two interchangeable playboards that you will design. For makers, creative thinkers and game designers, the PinBox 3000 is a tabletop cardboard pinball kit that artfully integrates mechanical engineering, physics, sculpture, product design and performance! Light up your play board and be ready to “Tilt the Future!”

Pinball Kit Fee: \$50

32) ROCKET UNIVERSITY

2:00

Students will train to be real “rocket scientists” and “aerospace engineers” in this inspired offering. In “Rocket University” you will learn about the history of rockets from ancient Chinese fireworks, to modern day spacecraft and military applications while discovering principals of launching, trajectories, thrust, navigation, flight paths, altitudes, orbits, recovery methods, safety and more! Students will receive their individual rocket kits and assemble them while applying what they have learned to their design and construction. You will launch your rockets and record data.

Rocketry Fee: \$90

37) ULTIMATE FRISBEE

2:00

Ultimate Frisbee is an exciting, non-contact team sport that is played throughout the world and whose popularity continues to rise. Ultimate is a unique mixture of Frisbee, football and soccer, providing an exhilarating workout. The spirit of the game stresses sportsmanship and fair play.

41) ANIME-TION

3:00

The art of cartooning is full of creative expression, humor and fun. Join us to learn techniques of cartooning including sketching and use of color. You will learn to draw familiar faces such as Spiderman, Mickey Mouse and the Simpsons. Next, we will dive into the ultra modern art of Japanese anime. The wildly popular anime characters have larger than normal eyes, exaggerated expressions and a stylized type of design. Your original anime illustrations will reflect your own personality, imagination and artistic style!

2) AWESOME ILLUSIONS & PUZZLES

3:00

More than meets the eye! In this awesome workshop, inspired by New York City's Museum of Illusions, students will explore how neuroscience explains different optical illusions. We will use scientific principles to create our own using color, light and patterns. In this workshop campers will create puzzles and illusions that will both inspire and boggle the mind! Campers will create deceptive and misleading brain images like impossible waterfalls, visual paradoxes, mind-bending patterns, mirror illusions and create trick photography to provide a boost of brainpower and ignite your logic skills!

12) FENCING

3:00

En garde! Learn the exciting Olympic sport of fencing! Parry, cut, and lunge, as you improve strength, coordination, focus, balance and more. Fencing is a high-speed, exhilarating sport that relies on quick wits and cunning, and engages the entire body along with the mind... most importantly, it's FUN!

Fencing Fee: \$100

27) PICKLEBALL

3:00

This fast growing sport combines the elements of badminton, tennis and ping pong. Played on a court with paddles and wiffle balls, pickleball is easier than tennis and fun to play with your friends.

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Trailblazers – campers that are currently in 6th Grade and up the 2020-21 school year

3) BASKETBALL

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11) DUNGEONS & DRAGONS

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23) MINDFUL ART

1:00

Campers will create works of art that encourage and facilitate a relaxed peaceful state of mind. In a friendly, creative, judgment free zone campers will be encouraged to tap into and connect with their mind, body, and soul that they will express through visual arts. Campers will experience working in many mediums including color pencil, paint, collage, and more. They will explore making mandalas, gratitude jars, dream catchers, dream paintings and beyond.

32) ROCKET UNIVERSITY

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Students will train to be real “rocket scientists” and “aerospace engineers” in this inspired offering. In “Rocket University” you will learn about the history of rockets from ancient Chinese fireworks, to modern day spacecraft and military applications while discovering principals of launching, trajectories, thrust, navigation, flight paths, altitudes, orbits, recovery methods, safety and more! Students will receive their individual rocket kits and assemble them while applying what they have learned to their design and construction. You will launch your rockets and record data.

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Fencing Fee: \$100**49) Graphic Design Studio****2:00**

In this class, we will explore the methods which graphic designers use to communicate their ideas with impact, including playing with positive and negative space, scale (size,) color, typography and much more. Explore fun activities that will stimulate our creative problem-solving skills. We will discuss examples of creative work by professional designers, get our ideas flowing by making drawings and collages and then work to complete our designs. Projects will include T-shirt designs, posters, and animated graphics.

Graphic Design Fee: \$50**50) IRON CHEF****2:00**

Designed for campers who have some experience in the kitchen. Learn how to cook breakfast, lunch and dinner dishes for your families! Focus on healthier foods and desserts with less sugar. A chef's knowledge and meal choices really do make a difference in our lives. Campers will learn how to prep ingredients, organize their work space, cook, and plate their well balanced finished foods with pride.

Iron Chef Fee: \$90**5) CLOSING BELL****3:00**

In this introduction to Wall Street class, students will build a virtual stock portfolio and compete for the "best stock picker" bragging rights. After examining the activity at the NYSE and NASDAQ each day, we will learn analytical and operating aspects of the stock market. We will begin by evaluating and comparing stocks. We will review our portfolios daily and debate our purchases while learning to use tools to assist in our decisions to buy, sell or hold individual companies. By understanding how the stock market works, we will know the pros and cons of investing and how to buy low and sell high!

47) Cybersecurity 101**3:00**

In this rapidly evolving technology environment, everyone needs to be cognizant of cybersecurity and its impact on all aspects of daily life. Cybersecurity focuses on protecting computers, networks, and information from unauthorized access or attacks. Through hands-on activities we will learn to be good digital citizens, best practices for staying safe online and what the future holds for this incredibly popular industry.

22) MAGIC: THE GATHERING**3:00**

Back by popular demand! A game battle in which you and your opponent represent powerful sorcerers attempting to drive each other from the lands of Dominia. Your deck holds your tools: creatures, land, spells and artifacts.

25) NINJA WARRIOR**3:00**

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