

Afternoon Challenge Course Selections by Cohort – Session 1

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

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.

40) YOGA

1:00

Learn to relax and let go of control by experiencing the power and concentration found in yoga exercises. While stretching is certainly involved, yoga is really about creating balance in body through developing both strength and flexibility. This is done through the performance of poses or postures, each of which has specific physical benefits. Proper exercise clothing required: loose pants, T-shirt and yoga mat.

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.

30) PUPPETS & MUPPETS

2:00

Enter Jim Henson's workshop. Everyone loves the colorful, furry characters who lived on the Muppet Show and Sesame Street. Join us to make adorable familiar hand puppets of characters like Kermit the Frog, Miss Piggy, Elmo or Cookie Monster. Explore your own creativity by designing an original furry friend for our puppet show performance.

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.

4) BOLD Pop Dance**3:00**

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.*

16) IT'S A SMALL WORLD**3:00**

Through music and songs, we will discover many countries and their musical culture: Korea, France, Ireland, Africa and the United States. You will build a likembe, also called kalimba and make your own "one of a kind" instrument out of recycled materials.

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18) KITE RUNNERS**3:00**

Kite flying is a very popular pastime in many countries including China where they were invented and which hosts the largest international kite festival on Earth. Colorful designs often emulate flying insects, birds and other animals. Campers will build artistic Chinese inspired life size and decorative kites to fly in the Challenge Camp sky.

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

9) DIGITAL COMICS

1:00

Digital graphic comics and stories are extremely popular with campers of all ages! In this engaging digital storytelling class we will read, write and illustrate our own comics and designs. You don't have to be an artist as there is themed art from you to pick from, incredible animation and loads of templates to start story building with! If you have an idea, you can quickly create visually dazzling content for your story. Create and animate your characters, word balloons, sound effects and bring your original stories to life on screen!

19) K'NEXplorations

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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.

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.

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8) DASH ROBOTICS

2:00

Woohoo, meet Dash, a real robot that will make learning to code fun. Responding to voice, navigating objects, dancing, and singing, Dash is the robot you always dreamed of having. Campers will use Wonder, Blockly, and other apps to create new behaviors for Dash — doing more with robotics than ever possible. Let Dash open a canvas for exploration and collaboration by unleashing your creativity as you program Dash to greet you, deliver a message to a friend, follow you on a journey, and become a true partner in fun.

Robot Fee: \$150

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4) BOLD Pop Dance**3:00**

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.*

17) JAMMIN DRUMS**3:00**

For beginners to intermediate players this is a totally "hands-on" and unique approach to studying rhythm in many forms. We will discuss the history of percussion and look at rhythms from around the world. There will be lessons on hand drums, drum circle and playing on a drum set! We will play other percussion instruments like congas, shakers, cow bells, tambourines and more. Don't miss this chance to learn and play with a real rock/jazz musician!

18) KITE RUNNERS**3:00**

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

8) DASH ROBOTICS

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Robot Fee: \$150

11) DUNGEONS & DRAGONS

1:00

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.

20) LEGO MINDSTORMS

1:00

Bring the fascinating world of robotic technology alive with Lego Mindstorms EV3 Robots! This robotics course teaches the students the principles of assembling and operating an interactive Lego Robot. Mathematical standards will be addressed as well as hands on building of mechanical and electrical systems in robotics. Accurate measurement, geometric relationships, problem solving and reasoning skills will be stressed for success. Students will bring science to life utilizing many possible Lego designs in addition to their own creations.

29) PROJECT RUNWAY

1:00

Budding designers can create paper doll international wardrobe designs for tops, jeans, dresses, gowns and even shoes. Students will develop their own stylish textile designs from a variety of materials including fabric, gauze, cotton, tulle, silk, cardboard, linen, newspaper and feathers. Their runway collection will be stored in their stylish designer trunk of haute couture clothes collages in petite sculptures.

33) SOCCER

1:00

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36) SWEET & JOYFUL BAKING

1:00

In this baking class, we'll whip up a variety of different cookies and other sweet treats and focus on cookie decorating with amazing colors and styles! This class will offer artistic creativity while incorporating elements of math and science as it relates to baking. Campers will delight their families with the delicious goodies they will bring home to share.

Baking Fee: \$90

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.*

15) GUITAR JAM**2:00**

Campers can be complete beginners to intermediate players. This is a course designed to teach the fundamentals of guitar performance. Students will learn to put together elementary chords, melody playing and proper hand techniques to have them playing along with their favorite musicians. Class is a fun environment where we study songs that the students select. The course provides a basic study in beginning music theory with a goal to emphasize guitar technique and performance. If you do not own a guitar, we have several that students can use during class.

26) ORIGAMI**2:00**

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.

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.

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

35) SURVIVOR!**2:00**

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.

39) WIX Web Design**2:00**

Creating interesting, dynamic Websites begins with knowing how to use the tools of Web design. We will be mastering Wix, an online software tool that will allow campers to create professional looking content. Through exploration of design concepts such as layout, contrast, readability, and interactive elements we will develop an understanding of what makes a great user experience. Campers will create websites on a variety of topics including movie reviews, game history, favorite musical genre, "how to..." and more. We will develop documentation skills through digital photography, explore proper digital citizenry and etiquette, and create interactive Web sites that will showcase campers interests.

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!

7) COMPUTER SIMULATION**3:00**

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!

9) DIGITAL COMICS**3:00**

Digital graphic comics and stories are extremely popular with campers of all ages! In this engaging digital storytelling class we will read, write and illustrate our own comics and designs. You don't have to be an artist as there is themed art from you to pick from, incredible animation and loads of templates to start story building with! If you have an idea, you can quickly create visually dazzling content for your story. Create and animate your characters, word balloons, sound effects and bring your original stories to life on screen!

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

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.

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.

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

3) BASKETBALL

1:00

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.

6) CODE CENTRAL: Java

1:00

This course aims to teach the basics of one of the most powerful and wide spread programming languages—Java. You will learn about variables, loops, control structures (if/then logic), arrays and how to write classes. You will learn to think both algorithmically and creatively. We will use Java to calculate PI, and solve problems – for example, did the Indians get a good deal when they sold Manhattan to the Dutch for \$24 in 1626? We will create games like Mad Libs, guess the state capital, and how to convert English into Pig Latin. Students with prior knowledge will be given advanced projects. There are no prerequisites other than a desire to learn.

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24) National Geographic

1:00

Learn from the experts about nature photography. In this class we will study different methods and techniques that National Geographic photographers use to create the most spectacular photographs in the world... just peek into their magazine or website photos! Campers are required to have a charged digital camera or cell phone camera each day in class and will take photos of plants, trees, animals, insects, water, landscape and any natural beauty we uncover on campus. We will study photo editing and how to select your best photos with a detailed eye and use our learned techniques to create a nature photography portfolio to take home highlighting your work.

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31) ROCK STAR

1:00

Have you ever wanted to be in a rock and roll band? This class is an ensemble course providing instruction for musicians who wish to experience all facets of playing, rehearsing and performing with a rock band. The typical lineup of a band is rhythm guitar, lead guitar, bass and drums with a vocalist. Other instruments can be added to any band – keyboard players, fiddle players, horns, and auxiliary percussion players to increase the soundscape of the music. Challenge Camp provides amplification for guitarists, a bassist, a drum set, a keyboard and a P.A. for lead and backup vocals. This course is recommended for campers with musical training and a willingness to bring their own instruments. Beginners are welcome to join in the fun as well. The culmination of rock band class will include a performance for fellow campers as a final project.

32) ROCKET UNIVERSITY

1:00

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Baking 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.

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!

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28) POP ART**3:00**

Enter the world of Andy Warhol and Roy Lichtenstein in this multi media painting class. We will use papers, magazines, plastics and more to complete your pop art paintings! Made on canvas, these inspired, bright and modern works of art will allow you to spark your imagination and creativity!

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