



Summer exploration LAB

Summer 2020

Dear GCDS Tigers and Families,

What are you doing this summer? Want to write songs, paint a masterpiece, or make a movie? Design a city from the ground up? Discover how the best athletes stay in shape? Bring your big idea to the GCDS Shark Tank? Work on your reading, writing, and math skills? Wherever you are this summer, we are ready to learn, discover, create, and play as only Tigers do! Your teachers are hatching some great plans for you in our new N-12 Summer Exploration Lab—and you can read all about these adventures here. Join us for a summer of joyful discovery. I can't wait to see what you choose to explore!

Warmly,
Adam

Greenwich Country Day School's Summer Exploration Lab 2020 provides a virtual learning experience for students of all ages, offering 65 non-credit bearing modules —each two weeks in length, meeting Monday through Friday. The modules are designed to deepen and extend academic skills and knowledge; some modules will focus on reinforcement and expansion of academic learning, while other opportunities will provide students the opportunity to do a “deep dive” into questions and problem-solving by way of an engaging project.

Session 1: July 6-17

Session 2: July 20-31

Registration Deadline: June 10, 2020

To register and for more information,
visit the Exploration Lab Web Page in the Parent Portal:
gcds.net/SummerExLab

Questions?

Reach out to Exploration Lab's Co-Director for Administrative Operations
Laura Brantley at laura.brantley@gcds.net

We look forward to a great summer full of learning and fun!

PLEASE NOTE: While we hope to offer all of the modules listed, there is a minimum number of students required for a module to run. In the case that we are unable to offer a module, you will have the opportunity to register for a different module or be refunded for the registration fee in full.

Lower Elementary Modules

Tiger Cubs Morning Fitness & Movement Lab

Ages: Students entering grades Pre-K to K

Time: 8:00 am - 8:30 am

Cost: \$400

Faculty: Keith Williams

Sessions 1 and 2

Start your day the best way with Coach Williams. We will get our bodies and brains going each morning with fun movement and fitness activities. Break out your enthusiasm and show your Tiger Pride. Coach cannot wait to see you at the start of each day for a fun workout!

Materials: N/A

Tiger Cubs Morning Fitness & Movement Lab

Ages: Students entering grades 1-2

Time: 8:30 am - 9:00 am

Cost: \$400

Faculty: Keith Williams

Sessions 1 and 2

Start your day the best way with Coach Williams. We will get our bodies and brains going each morning with fun movement and fitness activities. Break out your enthusiasm and show your Tiger Pride. Coach cannot wait to see you at the start of each day for a fun workout!

Materials: N/A

Context for Learning Mathematics: How Many? - Quantifying & Representing

Ages: Students entering grades K

Time: 9:00 am - 9:25 am

Cost: \$400

Faculty: Meg Burkly

Session 2 Only

During this lab, we will extend collections of your favorite things, tallying greater amounts and grouping the amounts into fives and tens. Explorers will deepen their understanding of counting as they

GCDS Summer Exploration Lab

examine patterns in the number system and are provided opportunities to count to 100 and beyond.

Materials: N/A

Foundations Lab

Ages: Students entering grades 1-2

Time: 9:00 am - 9:30 am

Cost: \$400

Faculty: Devon Brown

Sessions 1 and 2

Join Ms. Brown and continue building your Foundations skills! Spend some time this summer solidifying important concepts like glued sound review, vowel team review, and basic suffix endings review. The course will incorporate the Orton Gillingham style of direct teaching and skill modeling, and will include engaging auditory, visual and kinesthetic activities. Most importantly, it is going to be FUN!

Materials: Digital materials will be provided.

Let's Do Some Good in Our Local Community!

The Center for Public Good Lab

Ages: Students entering grades 2-12 & parents of participants

Time: 9:00 am - 10:30 am

Cost: \$400

Faculty: Jen Donnalley, Austin Lehn and Steph Lehn
Session 1 Only

Engage with the local community that is living in isolation. Continue our remote outreach and set yourselves up to run these events as long as social distancing continues. You will create programming (games, presentations, performances, demonstrations) and learn how to run Zoom from the back end.

Note: This lab is based in Greenwich and will require participants to be local during each week of the session.

Materials: N/A

Motivate, Move, & Be Mindful

Ages: Students entering grades 2-5

Time: 9:30 am - 10:30 am

Cost: \$600

Faculty: Polly Boeschstein and Vanessa DePaola
Session 1 Only

Join Mrs. Boesch and Mrs. Di Paolo and explore how our bodies and brains help us each day. We will investigate how our muscles work using exercise methods that help our bodies become stronger and healthier. We will also learn how Mindfulness activities and strategies can be helpful to our overall health and well-being. Come jump in with friends and help us all be healthier each day!

Materials: N/A

Comparing Favorite Collections: Quantifying & Representing Data

Ages: Students entering grade 1

Time: 9:30 am - 9:55 am

Cost: \$400

Faculty: Meg Burkly
Session 2 Only

Learn how we can use bar graphs as a way to compare amounts. Extend your favorite collections and stretch your counting to 120 and beyond. We will work on packaging groups of tens and noting place value patterns, and we will use place value and properties of operations to add and subtract within 100, using value bars. We will also work towards making the basic facts to 20 more automatic, and we will begin introducing the equality and inequality symbols: $<$, $>$, and $=$.

Recycling Makes a Real Difference A Sustainability Lab

Ages: Students entering grades K-2

Time: 10:00 am - 10:30 am

Cost: \$400

Faculty: Lauren Hart and Clay Kontulis
Sessions 1 and 2

Learn how recycling happens and how YOU can make a difference. Join Miss Hart in an exploration of all things recycling. Together we will virtually travel to recycling centers to learn about this important process, including which items can be recycled, and how recycling helps certain animals. We will get inspired by Washed Ashore, an initiative to educate people and reduce plastic waste in the ocean through stunning art pieces made with plastic found on beaches. With all that we learn, we will come up with our own plan to help our families and communities recycle.

Materials: paper and drawing materials

Uh-oh . . . Phew!

Ages: Students entering grades 1-2

Time: 10:00 am - 10:30 am

Cost: \$400

Faculty: Devon Brown
Sessions 1 and 2

Join Ms. Brown to explore problem solving strategies and continue making reading and writing connections! We will read and discuss books that focus on a problem and solution. Then, you get to be the author! Part of our time will be spent writing stories with the "Uh Oh, Phew!" story arc, as described by acclaimed curriculum developer and author Jennifer Seravallo. Gain confidence in your storytelling and writing skills, as we work together to write a story about a character who encounters a problem and finds a way to solve it.

Materials: Paper/pencil; post-its

Water Works

Ages: Students entering grades Pre-K to K
Time: 10:30 am - 11:15 am
Cost: \$400
Faculty: Madelyn Brewer and Clay Kontulis
Sessions 1 and 2

Water covers two thirds of the earth, makes up 60 percent of our bodies, and is all around us. Join us in the Water Works lab and discover the wonders of water. We will learn about the properties of water, the water cycle, and even explore what scientists know about where this amazing substance first came from. Everyone will have a chance to make a splash and share what they learn throughout this engaging course.

Materials: Water!

Value Bars & Line Plots: Data Representation

Ages: Students entering grade 2
Time: 10:45 am - 11:15 am
Cost: \$400
Faculty: Meg Burkly
Session 2 Only

Discover the power of data representation. Learn to use value bars and line plots as we graph heights of animals and the length of their jumps. With line plots, we will plot age frequencies and play fun target number games. By the end of the unit, you will learn to analyze the shape of data and draw conclusions about data sets.

Materials: N/A

Math at the Beach

Ages: Students entering grade 1
Time: 11:00 am - 11:30 am
Cost: \$400
Faculty: Lauren Hart
Sessions 1 and 2

Join Miss Hart for a virtual session at the beach! We will practice adding, subtracting, solving word problems, data collection, and measurement! Examples include: graphing the colors of umbrellas at the beach, word problems about snacks brought to the beach, measuring how tall the waves are, and investigating the number of seagulls at the beach! You will build your mathematical investigation skills within the context of a day at the beach and practice a wide range of math skills.

Materials: Paper & drawing utensils

Choose Your Own Adventure!

Ages: Students entering grades 1-3
Time: 12:30 pm - 1:15 pm
Cost: \$400
Faculty: Heidi Pauletti and Sarah Restrepo
Sessions 1 and 2

Choose your path as you practice research skills and demonstrate your understanding. Develop a portfolio of your choice, including creations like art projects, video interviews, slideshows, and traditional written pieces that you will craft throughout the lab experience. As a culmination of your efforts, we will host a "gallery walk" to showcase our learning and celebrate one another's work.

Note: Some additional time will be required for independent work.

Materials: paper, poster board, glue, markers, and the ability to print.

All About the Weather

Ages: Students entering grades 1-2

Time: 1:00 pm - 1:25 pm

Cost: \$400

Faculty: Lauren Hart and Bridgit Murray

Sessions 1 and 2

Do you ever wonder about the weather? Join Miss Murray and Miss Hart each morning for an exploration of all things weather related. We will focus on the science behind specific weather events, tracking patterns in weather in order to make predictions, and studying weather disasters. We will use our knowledge and interests to design and propose a solution to prevent a weather-related disaster. Explore extreme weather events, including hurricanes, tornadoes, blizzards, and flash floods. Through our study of this fascinating topic, we will practice mathematical data analysis, and you will tap into your creative problem-solving skills.

Materials: paper, drawing materials, *ability to print is a plus

Exploring, Creating, and Collecting: Around the World in 10 Days!

Ages: Students entering grades K-3

Time: 1:00 pm - 2:15 pm

Cost: \$600

Faculty: Laurie Bayless

Session 1 Only

Travel the world from the safety of your living room! Explore our world through a series of activities and research opportunities. We will tour famous landmarks, Zoom with citizens from around the world, look at and create artwork, learn how to bake traditional recipes, play beloved games, and explore the flora and fauna of our global neighbors. As you take on the challenge of researching a country of your choice, we will work together to see what we can discover using amazing, age appropriate programs such as Pebble Go, National Geographic for Kids, and EPIC. You will also get to create your own non-fiction travel book to document our journey! So, bring your adventurous spirit, and let's go explore the world!

Materials: Ms. Bayless will contact registrants regarding a short list of supplies

El Mundo Hispanohablante! *A Culinary Tour of the Spanish-speaking World*

Ages: Students entering grades 2-6

Time: 1:00 pm - 3:00 pm

Cost: \$800

Faculty: Kelley Giovannangeli and Kathy Leon Lacourt

Sessions 1 and 2

Around the Spanish-speaking world in two weeks: join us for a bilingual, culinary tour of el mundo hispanohablante! Get ready to dive into cooking and baking with las profesoras, as we explore the food and culture of different countries. Explorers will build a bilingual cookbook of recipes we have made together, along with some contributed from participating families. Instruction will take place primarily in English, but we will share a variety of Spanish enrichment materials for those who would like to build their vocabulary.

Materials: Ingredients list will be sent to participating families before the start of the class, basic cooking tools are needed.

Storybook Studio Lab

Ages: Students entering grades 1-2

Time: 1:30 pm - 2:15 pm

Cost: \$400

Faculty: Tara Dooley

Sessions 1 and 2

Step into your storybooks and make them come alive! We will work together to create a stage and cast using cardboard boxes, paint, string, and your imagination! Create various backdrops to use as you move through your book, showcasing the critical aspects of setting and plot development in stories. Create models of characters to act out your favorite passages by studying character characteristics and outcomes. Your essential skills in reading will be combined with creativity and imagination to make your books come palpably alive! As Willy Wonka

once wisely said: "Come with me, and you'll be in a world of pure imagination."

Materials: Cardboard/boxes, paper, paint or markers, and scissors, string, and preferably popsicle sticks (but any small thin piece of wood/plastic will work). Students will also need a favorite book.

Crafting Creative Solutions

Ages: Students entering grades Pre-K-K

Time: 1:30 pm - 1:55 pm

Cost: \$400

Faculty: Lauren Hart and Bridgit Murray

Sessions 1 and 2

Join Miss Murray and Miss Hart for an experience full of creative thinking and building! We will read stories and think about problems the characters face in each. Next, we will put on our engineering hats and invent something to solve those problems, like a robot that can do homework, or an oven that makes its own food. The best part is that we will help you actually try to build your inventions, using materials you have at home! We will all practice following the 5 step engineering design process (Ask, Imagine, Plan, Create, Improve) and will practice reading comprehension, reasoning, and writing skills along the way. It is going to be a ton of fun!

Materials: simple building materials (model magic, playdoh, toothpicks, marshmallows, paper, drawing materials).

The Knitting Room

Ages: Students entering grades 2-12 and parents of participants

Time: 1:30 pm - 2:30 pm

Cost: \$800

Faculty: Betsy Mena

Let's Knit! Join Mrs. Mena and learn this incredible art form. While building your knitting skills, you will discover the secrets behind crafting different patterns and the differences between types of wool. Whether you are a beginning knitter or a more advanced learner, you will learn tips and tricks that will let you enjoy this wonderfully mindful practice.

By the end of this lab, you will create a knitted item you will use forever.

Note: Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: Yarn kits with needles will be sent to participants via mail by Mrs. Mena.

A Magic Treehouse Full of Dinosaurs

Ages: Students entering grades 1-2

Time: 2:30 pm - 3:00 pm

Cost: \$400

Faculty: Tara Dooley

Sessions 1 and 2

Have you ever wondered what it would be like to have a magical treehouse, one which could take you to places far and wide? Come along with Jack and Anna and explore the wonderful world of Mary Pope Osborne's *The Magic Treehouse* series. Together we will read book one of the series, *Dinosaurs Before Dark*, and learn just what it takes to be an explorer in a whole new world. Help Jack and Anna as they discover clues and unlock the mystery of their magic tree house. Readers of all levels welcome, chapters will be recorded in an "audio-book" format for readers who may struggle with decoding the text during independent reading time.

Materials: Students will need to have *The Magic Tree House: Dinosaurs After Dark*

Nature Journaling Lab

Ages: Students entering grades K-2

Time: 3:15 pm - 3:45 pm

Cost: \$400

Faculty: Tara Dooley

Sessions 1 and 2

Get immersed in the beautiful outdoors as we explore the vast world around us. Pick your favorite tree, grab your journal, and start describing and noticing what you see around you. Nature journaling helps bring us closer to the world around us. See how the landscape changes day by day, what stays the same, and what you've never thought to notice before. Experience nature walks in a whole new light

and hone your observation skills through the senses of sight, sound, touch, and feel.

Materials: Students will need a journal

Fun With Food!

Ages: Students entering grades N-1 and parents of participants

Time: 2:30 pm - 3:15 pm

Cost: \$400

Faculty: Erika Feighery

Sessions 1 and 2

It's snack time! Learn how to make fun and yummy snacks. Ms. Feighery will share great recipes to make together! How would you like to take a bite out of a house made with pretzel stick Lincoln Logs, or munch on mini edible sailboats? Who doesn't love to play with edible Playdough! Come together each afternoon for some fun with food.

Materials: Ingredients list will be sent to participating families before the start of the class

Upper Elementary Modules

A Graphic Novel Adventure

Ages: Students entering grades 5-6

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Jen Abraham

Session 1 Only

Graphic novels offer us another way to immerse ourselves in stories. In this Lab, we will explore the graphic novel genre. While reading thrilling graphic novels, we will discover how authors and illustrators work together to tell gripping, hilarious, and uplifting tales. Explorers who participate in this lab will create their own graphic novel story. We will have optional drawing tutorials and challenges, too!

Materials: Graphic novels selected with Mrs. Abraham after registration.

Let's Save the World!

A Sustainability Lab

Ages: Students entering grades 3-5

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Dan Castrigano

Sessions 1 and 2

Join Mr. Castrigano for a crash course on sustainability. Each day we will examine a different topic related to economic, social, or environmental sustainability. Example topics include climate, poverty, food waste, transportation, and biodiversity. Students will encounter new content, engage in thought-provoking discussions, and, most importantly, take action to make the world a better place.

Materials: N/A

Let's Do Some Good in Our Local Community!

The Center for Public Good Lab

Ages: Students entering grades 2-12 & parents of participants

Time: 9:00 am - 10:30 am

Cost: \$400

Faculty: Jen Donnalley, Austin Lehn and Steph Lehn

Session 1 Only

Engage with the local community that is living in isolation. Continue our remote outreach and set yourselves up to run these events as long as social distancing continues. You will create programming (games, presentations, performances, demonstrations) and learn how to run Zoom from the back end.

Note: This lab is based in Greenwich and will require participants to be local during each week of the session.

Materials: N/A

Picturing History

Ages: Students entering grades 3-5

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Ellen Gittes

Session 2 Only

Who are the changemakers throughout history? Through picture book biographies, Mrs. Gittes will introduce the biography genre. We will read a picture book each day about someone who courageously persevered in the face of challenging obstacles; possible subjects include Nelson Mandela, Jesse Owens, Nicola Tesla, Pura Belpré, Ruth Bader Ginsburg, and more. We will look at how the historical time period and environmental context affected the lives of these changemakers. While studying the lives of these brave individuals, we will share in the inspiration their stories evoke and gain an appreciation for the power of biographies.

Materials: basic school supplies (e.g., notebook, pencil, colored pencils), the ability to print is a plus

Global Art Adventure - Art Around the World

Ages: Students entering grades 3-5

Time: 9:00 am - 10:30 am

Cost: \$800

Faculty: Heather Chila

Sessions 1 and 2

Get ready to discover art from around the world! Here you will find traditional folk art techniques from Africa, South America, North America, Australia (and more). We will make cool multicultural creations as we learn more about the world around us.

Materials: Large drawing pad 18x24, Tempura Paint, Watercolors, White Elmer's glue, yarn, 2 pieces of poster board, Popsicle sticks, scissor, hole punch, paint brushes.

Exploring Parks & Playgrounds: Multiplication & Division of Fractions

Ages: Students entering grades 5-6

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: Liz Johnson

Sessions 1 and 2

Fractions are everywhere! Build your understanding of multiplication with rational numbers, as we explore the planning process for parks and playgrounds. You will learn how to use the double number line and array models as helpful tools, as you lay out your playground. Investigate problems that arise, as you employ tools to evaluate equivalent, but not necessarily, congruent areas.

Materials: Paper, pencils, colored pencils

From Sunflowers to Growth Patterns: Data Representation & Analysis

Ages: Students entering grade 5

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: Trish Kepler

Session 2 Only

Discover the power of data! We will examine how data can be organized using scaled axes on marked dimensions (horizontal and vertical scales), and also extending the markings on the scales to eighths. We will also plot collected data on line graphs. This lab will help you solidify your understanding of range and lay the foundations for future exploration of central tendencies (mode and median).

Materials: Grid paper, markers, blank paper

Number Detectives: Patterns, Functions, & Structure

Ages: Students entering grade 5

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: Trish Kepler

Session 1 Only

The world is full of patterns! The focus of this lab is to extend operations to explore algebraic reasoning. We will gain familiarity with common factors and multiples, generate and analyze patterns and sequences, and explore the importance of primes as they relate to composites. You will uncover the mystery of triangular numbers, transform quantities into geometric shapes, explore sequences of squares and cubes of primes, and eventually tackle the famous Fibonacci sequence! Learn how the mystery and wonders of numbers are connected to the natural beauty of the world around you.

Materials: N/A

The Great GCDS GooseChase

Ages: Students entering grades 4 - 12

Time: 9:00 am - 9:55 am

Cost: \$600

Faculty: Ellie Molyneux

Sessions 1 and 2

Join the Great GCDS GooseChase and get ready for a challenge! We will start each morning with a preview of the day's options, and then you will earn points for your team throughout the day by completing academic challenges, creative endeavors, STEAM projects, and outdoor activities. You will also be challenged to grab a device and head out searching for big-ticket items like a statue with a tri-corner hat, or a license plate number you can make into a number sentence that equals 1926. Every completed challenge will earn your team points, so pick the challenges you are most excited about, and let's get started. Who will be the next GCDS GooseChase Champion?

Note: Participants can expect approximately one hour of work each day in addition to scheduled virtual meeting time.

Materials: GooseChase App subscription (participants under 13 years old will need parental permission and assistance)

Motivate, Move, & Be Mindful

Ages: Students entering grades 2-5

Time: 9:30 am - 10:30 am

Cost: \$600

Faculty: Polly Boeschstein and Vanessa DePaola

Session 1 Only

Join Mrs. Boesch and Mrs. Di Paolo and explore how our bodies and brains help us each day. We will investigate how our muscles work using exercise methods that help our bodies become stronger and healthier. We will also learn how Mindfulness activities and strategies can be helpful to our overall health and well-being. Come jump in with friends and help us all be healthier each day!

Materials: N/A

All About Sharks: Data Representation & Analysis

Ages: Students entering grade 3

Time: 10:00 am - 10:30 am

Cost: \$400

Faculty: Meg Burkly

Session 2 Only

Join us for Shark Week at GCDS! We will explore and graph the lengths and lifespans of a variety of sharks, measure their teeth, and work with real data sets from an environmental study near the Great Barrier Reef. You will learn how to manipulate two marked dimensions (horizontal and vertical scales), turning value bar comparisons and line plots into more easily readable graphs. Dive in with us and let's see what we discover.

Materials: N/A

Building Benches & Measuring Tools: Introducing Fractions

Ages: Students entering grade 4

Time: 10:00 am - 10:45 am

Cost: \$400

Faculty: Trish Kepler

Session 1 Only

Knowing landmark fractions makes math easier. Solidify your knowledge about these helpful landmarks, which so often show up when we measure, build, bake, and cook. You will work to solve challenging problems, building your confidence when working with units that need to be decomposed into fractional pieces.

Materials: Paper, markers, etc.

A Lab for Poets

Ages: Students entering grades 3-5

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Ellie Molyneux

Session 2 Only

Calling all creative writers! Join us and become an accomplished poet! During our exploration of verse forms, we'll read a book of short poems about a boy who starts thinking that poetry stinks. Over time, he changes his mind - and an entirely new world opens up for him in the process! We also will master new writing techniques, laugh along with our book, and create individual poem collections to share with the world!

Materials: An online copy of "Love that Dog"

Calling All Reporters!

Ages: Students entering grades 4-5

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Randy Hall

Session 2 Only

Explore elements of the Journalism process. Become a reporter and learn to navigate the world of the news. We will read and write articles and identify the differences between "fake" news and real news. Tap into your creative writing skills to report sports highlights, real estate listings, food critiques, and movie reviews. Have a blast crafting Crosswords, Ken Ken, and Sudoku puzzles. Join a team of journalists and help bring the news to the world.

Materials: Writer's notebook, access to a computer

Welcome to the Shark Tank!

Ages: Students entering grades 3-5

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Ellie Molyneux

Session 1 Only

Have you ever had a problem and wondered how to solve it? Have you ever had an amazing idea and

wondered how to turn it into reality? Come learn to design solutions and engineer your own product or campaign. Then, bring your best convincing speech and movie trailer to the Shark Tank to compete for Top Design Prizes!

Materials: Materials from home to build and design.

Batteries, Cell Phones, Dalmatians, and Pumpkin Growth: Data Representation & Analysis

Ages: Students entering grade 5-6

Time: 10:15 am - 11:00 am

Cost: \$400

Faculty: Jen Abraham

Session 1 Only

What can you learn from looking at someone's screen time or comparing the size of pumpkins in a patch? Uncover the power of data. Experience how line plots and bar graphs can help you communicate your ideas. We will have a blast as we analyze problems together, and you will be challenged to uncover clusters and trends in the data.

Materials: N/A

Exploring Mai Acumwaa Land

Ages: Students entering grades 3-4

Time: 10:30 am - 11:00 am

Cost: \$400

Faculty: Kate DiMinno

Session 1 Only

Have you ever wondered what it would be like to survive in the wilderness all alone? Jump into this two-week simulation and become a member of an imaginary Native American tribe. Embark on a "Stray" journey and prove you are ready to be considered an adult when you return. Where will you choose to explore? Will you be able to build a shelter, hunt for food, and achieve honor? Daily mini-lessons and creative writing assignments will bring to life our study of Native American culture and history.

Materials: dice; the ability to print is a plus; imagination is a MUST!

Tiger Creativity Studio

Ages: Students entering grades 3-5

Time: 10:30 am - 11:00 am

Cost: \$400

Faculty: Evan Kanouse

Session 1 Only

Create amazing inventions, gadgets, and buildings in the Tiger Creativity Studio. We will tackle a variety of design challenges throughout the lab experience, allowing you to work both individually and with a team to prototype new inventions. Learn about design and engineering processes as you bring your ideas to life. Tap into your creativity and join us for an incredible engineering experience.

Materials: Basic craft materials

Little Cities: Geometry

Ages: Students entering grade 3

Time: 11:00 am - 11:30 am

Cost: \$400

Faculty: Trish Kepler

Session 1 Only

Become a city planner and build a city with math! We will work on categorizing and sorting polygons by their properties and transforming 2-D shapes into 3-D polygonal prisms. You will get to use all you learn as you build your own, little city model. We will add in arrays for planning things like patios, and you will learn how to figure out the cost of a construction project. We will also find out if shapes need to be congruent to be of equal size.

Materials: Construction paper, cardboard, markers, etc.

Build the City of the Future

Ages: Students entering grades 4-5

Time: 11:00 am - 11:45 am

Cost: \$400

Faculty: Henrique Monnerat

Sessions 1 and 2

What would you create if you could design a city from the ground up? Become a city planner and tap into your creativity as you build a model city. You will

have to think critically about the needs of your fellow citizens to generate ideas for housing, basic services, safety, public buildings, and more. Work with peers and Mr. Monnerat to construct your own miniature city plan and share your vision for the future.

Materials: Paper, a printer, scissors, glue, colored pencils, 12-inch ruler

The Biomechanics of the Perfect Lay-Up

Ages: Students entering grades 3-5

Time: 11:00 am - 12:00 am

Cost: \$600

Faculty: Elisa Brown and Abigael Yotts

Session 1 Only

Learn how to shoot the perfect lay-up and fine-tune other sport-specific movements. Explorers in this lab will analyze a variety of common movements from a biomechanical perspective. You will learn how coaches and athletic trainers help their players achieve the best results. At the end of the session, you will have the chance to communicate all you discover in a resource you will get to present to GCDS coaches.

Materials: N/A

Cake Bosses Baking Lab

Ages: Students entering grades 3-8

Time: 11:00 am - 12:30 pm

Cost: \$600

Faculty: Andrew Ledee and Paul Clarke

Sessions 1 and 2

Join GCDS Cake Bosses, Mr. Ledee and Mr. Clarke, and discover how to take your baking to the next level. Whether you are an avid baker or just getting started, we will help you create delicious masterpieces. Practice fundamental skills, learn pro tips, and try out cool new recipes that will delight the senses.

Materials: Baking equipment and the Ingredient lists will be sent to participating families before the start of the class.

Stretch Your Art Muscle!

Age: Students entering grades 5-6

Time: 11:00 am - 12:30 pm

Cost: \$800

Faculty: Heather Chila

Sessions 1 and 2

Explore exciting ways to use different art materials - watercolors, collage, oil pastels, and more. You will master skills that will bring your art to the next level. Aspiring artists will be thrilled by these fun techniques. Get ready to tap into your creativity and create your masterpiece.

Materials: Tempura paint, ink, colored tissue paper, oil pastels, watercolors, watercolor pad 12x16, drawing pad 16x24 - 25 sheet, white Elmer's glue, chalk pastels, scissors, markers, paint brush.

Estimation Exploration

Ages: Students entering grades 3-5

Time: 11:30 am - 12:00 pm

Cost: \$400

Faculty: Meg Burkly

Session 2 Only

Estimation is a superpower! Learn how you can become a super estimator. This skill is helpful in mathematics and throughout our everyday lives. During our exploration, you will build your estimation muscles. We will use a variety of online resources, including Estimation180.com, Esti-mysteries, etc., and you will gain confidence in your estimation skills.

Materials: N/A

The Healthy Mind & Body Lab

Ages: Students entering grades 4-6

Time: 12:00 pm - 12:45 pm

Cost: \$400

Faculty: Elisa Brown

Sessions 1 and 2

Health is about both body and mind. Throughout this engaging lab experience, you will be challenged to reflect on your current health and develop personal

goals. We will explore the importance of exercise and nutrition, and you will have the opportunity to craft your "Healthy Mind and Body" action plans. During each day's class, we will practice positive habits of mind and body. Simultaneously, you will work with your peers to develop an online wellness resource for other students.

Materials: Students will be asked to download a free app

Choose Your Own Adventure!

Ages: Students entering grades 4-5

Time: 12:30 - 1:15

Cost: \$400

Faculty: Heidi Pauletti and Sarah Restrepo

Sessions 1 and 2

Choose your path as you practice research skills and demonstrate your understanding. Develop a portfolio of your choice, including creations like art projects, video interviews, slideshows, and traditional written pieces that you will craft throughout the lab experience. As a culmination of your efforts, we will host a "gallery walk" to showcase our learning and celebrate one another's work.

Some additional time will be required for independent work.

Materials: paper, poster board, glue, markers, and the ability to print.

Fun with Fiction - A Writing Lab

Ages: Students entering grades 3-5

Time: 12:30 pm - 1:15 pm

Cost: \$400

Faculty: Tara Dooley

Sessions 1 and 2

If you love being transported into worlds of fiction, this summer exploration lab is for you! Through the works of incredible authors, like J.K Rowling, Mary Pope Osborne, and Roald Dahl, we will explore the many genres of fiction. After diving into the different styles of storytelling, we will compose and publish our very own fiction stories! At the end of the experience, you will get your own published copy of our book!

This lab will include class time and independent writing conferences to be scheduled with Ms. Dooley.

Materials: (optional) device to scan/take pictures of participant artwork to be included as illustrations.

Math Circle

Ages: Students entering grades 3-5

Time: 1:00 pm - 1:30 pm

Cost: \$400

Faculty: Meg Burkly

Session 2 Only

Come play with deep and engaging math activities. Inspired by Sunil Singh and Chris Brownell's Math Recess, in Math Circle we will focus on building problem solving skills in a joyful, playful atmosphere while working on meaningful math tasks. You will grow as a mathematician and build your mathematical curiosity and insight. We hope to see you on the virtual math playground!

Materials: N/A

Exploring, Creating, and Collecting: Around the World in 10 Days!

Ages: Students entering grades K-3

Time: 1:00 pm - 2:15 pm

Cost: \$600

Faculty: Laurie Bayless

Session 1 Only

Travel the world from the safety of your living room! Explore our world through a series of activities and research opportunities. We will tour famous landmarks, Zoom with citizens from around the world, look at and create artwork, learn how to bake traditional recipes, play beloved games, and explore the flora and fauna of our global neighbors. As you take on the challenge of researching a country of your choice, we will work together to see what we can discover using amazing, age appropriate programs such as Pebble Go, National Geographic for Kids, and EPIC. You will also get to create your own non-fiction travel book to document our

journey! So, bring your adventurous spirit, and let's go explore the world!

Materials: Ms. Bayless will contact registrants regarding a short list of supplies

El Mundo Hispanohablante! *A Culinary Tour of the Spanish-speaking World*

Ages: Students entering grades 2-6

Time: 1:00 pm - 3:00 pm

Cost: \$800

Faculty: Kelley Giovannangeli & Kathy Leon Lacourt
Sessions 1 and 2

Around the Spanish-speaking world in two weeks: join us for a bilingual, culinary tour of el mundo hispanohablante! Get ready to dive into cooking and baking with las profesoras, as we explore the food and culture of different countries. Explorers will build a bilingual cookbook of recipes we have made together, along with some contributed from participating families. Instruction will take place primarily in English, but we will share a variety of Spanish enrichment materials for those who would like to build their vocabulary.

Materials: ingredients list will be sent to participating families before the start of the class, basic cooking tools are needed

The Knitting Room

Ages: Students entering grades 2-12 and parents of participants

Time: 1:30 pm - 2:30 pm

Cost: \$800

Faculty: Betsy Mena

Session 1 Only

Let's Knit! Join Mrs. Mena and learn this incredible art form. While building your knitting skills, you will discover the secrets behind crafting different patterns and the differences between types of wool. Whether you are a beginning knitter or a more advanced learner, you will learn tips and tricks that will let you enjoy this wonderfully mindful practice.

By the end of this lab, you will create a knitted item you will use forever.

Note: Participants can expect approximately one hour of work each day in addition to scheduled virtual meeting time.

Materials: Yarn kits with needles will be sent to participants via mail by Mrs. Mena.

The Women Who Shaped America

Ages: Students entering grades 5-7

Time: 2:15 pm - 3:00 pm

Cost: \$400

Faculty: Lauren Hart & Bridgit Murray

Session 1 Only

Join Miss Murray and Miss Hart in an exploration of the women who have shaped America! Meet heroic women who played critical roles in the development of our country. We will examine primary source documents, images, and more to better understand how these amazing people impacted the course of our history. Practice important research, writing, and communication skills, and gain an appreciation for the invaluable part these Americans played in the story of our country.

Materials: Paper, and writing materials *ability to print is helpful

Restaurant Tycoon

Ages: Students entering grades 4-6

Time: 3:00 pm - 3:45 pm

Cost: \$400

Faculty: Rachel Luongo

Sessions 1 and 2

What does it take to open a restaurant? Become a restaurant tycoon and design your own restaurant. You will get to design it all, from the decor and menu to the advertising plan. Each day, you will solve problems and work through simulated challenges, from budgets to staffing. Will your design earn the coveted Luongo Star?

Materials: N/A

A Summer at Hogwarts

Ages: Students entering grades 2-3

Time: 2:15 pm - 3:00 pm

Cost: \$400

Faculty: Lauren Hart & Bridgit Murray

Session 2 Only

Join Miss Murray and Miss Hart and step into the Wizarding World of Harry Potter! We will study some muggle history, mix some potions, and learn some spells! You will have the chance to explore this iconic story while attending all your Hogwarts classes, including Potions (chemistry), Arithmancy (math), and History of Magic. Along the way, you will build camaraderie with peers as you compete to claim the house cup. Get ready to head to Platform 9 3/4, and we will see you when you get off of the Hogwarts Express!

Materials: a copy of Harry Potter and the Sorcerer's Stone; additional supply list for potions class will be sent with your Hogwarts acceptance letter.

Middle School Modules

Spanish Intensive Lab

Ages: Students entering grades 6-9

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Jose Salazar

Sessions 1 and 2

Join us for an in-depth exploration of Spanish through the three modes of communication – interpretive, interpersonal, and presentational. Work together with your peers as we review and strengthen skills you acquired in your previous study. In this fun Spanish intensive, you will continue practicing speaking, reading, and writing, and have fun in the process.

Materials: N/A

Visual Design Lab

Ages: Students entering grades 6-8

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Patricia Moran

Sessions 1 and 2

Explore the fundamental Visual Design Thinking Principles: color theory and style guide, concept sketching and design. Join resident visual design expert, Mrs. Moran, to learn how these principles are used to craft brand identities. Bolster your design skills and build fluency in powerful tools that will enable you to express yourself more confidently. You will finish the lab experience with a coherent, smooth brand identity for your portfolio.

Materials: Photoshop and Illustrator (GCDS students already have licenses for this software on their computers. Participants without a GCDS computer need to ensure their computer is compatible with this software, and can contact support@gcgs.net to obtain a temporary license for the duration of the module.)

Let's Do Some Good in Our Local Community!

The Center for Public Good Lab

Ages: Students entering grades 2-12 & parents of participants

Time: 9:00 am - 10:30 am

Cost: \$400

Faculty: Jen Donnalley, Austin Lehn and Steph Lehn

Session 1 Only

Engage with the local community that is living in isolation. Continue our remote outreach and set yourselves up to run these events as long as social distancing continues. You will create programming (games, presentations, performances, demonstrations) and learn how to run Zoom from the back end.

Note: This lab is based in Greenwich and will require participants to be local during each week of the session.

Materials: N/A

Loving Holden: A Study of Salinger's *The Catcher in the Rye*

Ages: Students entering grades 8-10 and parents of participants

Time: 9:00 am - 10:30 am

Cost: \$800

Faculty: Shaun Kelly

Sessions 1 and 2

One of the most beloved and yet misunderstood books of the twentieth century, J. D. Salinger's *The Catcher in the Rye* turns out to be the perfect summer book for our pandemic times. Because Master English teacher Shaun Kelly taught Salinger's *The Catcher in the Rye* for 25 years to ninth-grade students at GCDS, he now wants to open up teenagers' and adults' eyes to the joys of a novel that is elegy to adolescent alienation, even as it captures the deeply human need for connection and the bewildering sense of loss as individuals move from childhood to adulthood. Get ready to examine and explore a book from someone who knows it as

well as his own children. We will not only read it, discuss it, and analyze it, but we will write daily journal entries about it. It will make your summer. Promise!

Materials: Copies of *The Catcher in the Rye*

Down the Rabbit Hole

Ages: Students entering grades 6-8

Time: 9:00 am - 11:00 am

Cost: \$800

Faculty: El Gagnon

Session 1 Only

Explore the world of creative writing. During this lab experience, you will develop techniques and skills that enhance your creative writing, allowing you to express yourself in more varied ways. Work on grammatical and mechanical skills will be woven throughout the lab, as well as effective vocabulary usage. We will examine excerpts from diverse authors and styles. Daily “prompts,” designed to “transport” you to surprising places, will be used to inspire your creativity, while peer workshops and one-on-one conferencing will help you further develop your written pieces. As a culminating project, you will create a portfolio of your creative writing work.

Materials: N/A

That Was Then, This Is Now

Ages: Students entering grades 6-8

Time: 9:00 am - 11:00 am

Cost: \$800

Faculty: El Gagnon

Session 2 Only

When research and creative writing connect, exciting work occurs! During this writing lab, we will explore the genre of historical fiction, develop research skills, and practice creative writing techniques, as we compose short pieces of historical fiction. Work on grammatical and mechanical skills, and effective vocabulary usage, will be woven throughout the experience. We will read excerpts from diverse historical fiction writers and engage in daily writing

exercises, peer workshops, and one-on-one conferencing, as you refine your writing skills.

Materials: N/A

Exploring Parks & Playgrounds: Multiplication & Division of Fractions

Ages: Students entering grades 5-6

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: Liz Johnson

Sessions 1 and 2

Fractions are everywhere! Build your understanding of multiplication with rational numbers, as we explore the planning process for parks and playgrounds. You will learn how to use the double number line and array models as helpful tools, as you lay out your playground. Investigate problems that arise, as you employ tools to evaluate equivalent, but not necessarily, congruent areas.

Materials: paper, pencils, colored pencils

Were They Right? - Looking at Ethical Problems throughout History

Ages: Students entering grades 7-9

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: J.R. Howe and Rob Waller

Session 2 Only

Join us as we take a look at decisions that shaped history and examine the ethical dilemmas they presented. Throughout our country’s history, decisions were made by those who showed up. We will work together to explore why those in the arena chose to act as they did, and unpack the ramifications of those decisions. Was a better outcome possible? There is more to each of these dilemmas than meets the eye. In our exploration, we will tackle fascinating texts, engage in Harkness discussions and debates, and help you hone your analytical writing skills.

Materials: N/A

The Great GCDS GooseChase

Ages: Students entering grades 4 - 12

Time: 9:00 am - 9:55 am

Cost: \$600

Faculty: Ellie Molyneux

Sessions 1 and 2

Join the Great GCDS GooseChase and get ready for a challenge! We will start each morning with a preview of the day's options, and then you will earn points for your team throughout the day by completing academic challenges, creative endeavours, STEAM projects, and outdoor activities. You will also be challenged to grab a device and head out searching for big-ticket items like a statue with a tri-corner hat, or a license plate number you can make into a number sentence that equals 1926. Every completed challenge will earn your team points, so pick the challenges you are most excited about, and let's get started. Who will be the next GCDS GooseChase Champion?

Materials: GooseChase App subscription (participants under 13 years old will need parental permission and assistance)

Surveyors & Subway Systems: The Coordinate Plane

Ages: Students entering grade 6

Time: 10:00 am - 10:45 am

Cost: \$400

Faculty: Trish Kepler

Session 2 Only

Graphing allows us to make sense of so much in our world. During this lab, you take on the task of designing a subway system for a new city. We will employ graphing skills to help your process, introducing a grid system as a measurement tool for surveyors. We will start by exploring the first quadrant of the coordinate plane, and examining how we apply the system to real-world scenarios. Once you get the hang of it, you will naturally want to extend your grid to include all 4 quadrants.

Materials: Markers, paper, etc.

Globe Trekkers Lab

Ages: Students entering grades 8-12

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Eliot Spencer

Sessions 1 and 2

PLAN YOUR DREAM TRIP! Where would you go if you could plan a trip to ANYWHERE in the world? Join Mr. Spencer, world traveling enthusiast and logistics aficionado, as you "dream big" and develop a proposal for an unforgettable trip. Work in collaboration with peers and refine important skills surrounding the planning, logistics, and finances of travel. After researching the destination(s) you choose, you will get the chance to "pitch" your trip. Craft a great plan, and your trip might happen, possibly even as a GCDS-sponsored trip! Mr. Spencer has been designing, leading, and chaperoning student travel for over a decade, and has visited every continent in the world except Antarctica. He is excited to share his passion for world travel with you!

Materials: N/A

Screenwriters Lab

Ages: Students entering grades 6-12

Time: 10:00 am - 11:00 am

Cost: \$800

Faculty: David Kucher

Session 1 Only

So, do you want to make a movie? You need a great story, of course, but how do you take that terrific tale and turn it into a screenplay? Discover the tricks of the trade during this investigation into the art of screenwriting. Our exploration will start with a reading of a full screenplay, followed by an opportunity to watch the accompanying film. We will unpack the techniques the screenwriter employed and then work on crafting our own screenplays. We will continue to read screenplays, watch movies, and enhance our sense of storytelling structure, three act structure, and eight sequence structure.

Materials: N/A

Spanish Heritage Lab

Ages: Students entering grades 6-9

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Jose Salazar

Sessions 1 and 2

This lab is designed for participants who are growing up in a Spanish-speaking family. The experience will bring you and other heritage speakers together in an exploration of our shared Hispanic experience, and the way aspects of that experience are revealed by art and literature written in Spanish. In the process, you will also have an opportunity to become more familiar with aspects of Spanish-language mechanics, springboarding you toward broader fluency.

Este curso está diseñado para participantes que hablan español en casa. Esta experiencia les brindará a los estudiantes hablantes de herencia una oportunidad única de poder explorar temas auténticos y literatura escrita en español. También tendrán la oportunidad de familiarizarse con la mecánica del lenguaje para adquirir así una fluidez más amplia al expresarse en español.

Materials: Provided by instructor

Let's Save the World!

A Sustainability Lab

Ages: Students entering grades 6-8

Time: 10:30 am - 11:30 am

Cost: \$600

Faculty: Dan Castrigano

Sessions 1 and 2

Join Mr. Castrigano for a crash course on sustainability. Each day we will examine a different topic related to economic, social, or environmental sustainability. Example topics include climate, poverty, food waste, transportation, and biodiversity. Students will encounter new content, engage in thought-provoking discussions, and, most importantly, take action to make the world a better place.

Materials: N/A

Songwriters Lab

Ages: Students entering grades 6-8

Time: 11:00 am - 11:30 am with additional private writing sessions to be scheduled with Ms. Brooks

Cost: \$600

Faculty: Anitra Brooks

Sessions 1 and 2

Write and perform an original, acoustic song, culminating in a live performance. Explorers will learn lyric-writing techniques, basic song form for popular music, and how to write a chord progression. Collaborate with peers as you create, edit, and perform own your songs.

Materials: Pencil/pen, notebook, mobile recording device (i.e., iPod or iPhone with Voice Memo app; hand-held voice recorder). Optional: musical instrument (i.e., ukulele, guitar, piano).

You Make the Call - Player Analytics

Ages: Students entering grades 6-8

Time: 11:00 am - 12:00 pm

Cost: \$600

Faculty: Elisa Brown and Abigael Yotts

Session 2 Only

How does a team know if a player is worth drafting? This lab will challenge you to take on the role of a college coach or professional team owner and learn how to recognize a player's potential. We will review film, statistics, and anatomical characteristics to help inform your decisions about which players to invest in. As a final challenge, you will get to present your draft picks to GCDS coaches.

Materials: Computer and Internet Access

Stretch Your Art Muscle!

Age: Students entering grades 5-6

Time: 11:00 am - 12:30 pm

Cost: \$800

Faculty: Heather Chila

Sessions 1 and 2

Explore exciting ways to use different art materials - watercolors, collage, oil pastels, and more. You will master skills that will bring your art to the next level. Aspiring artists will be thrilled by these fun techniques. Get ready to tap into your creativity and create your masterpiece.

Materials: Tempura paint, Ink, colored tissue paper, oil pastels, watercolors, watercolor pad 12x16, drawing pad 16x24 - 25 sheet, white Elmer's glue, chalk pastels, scissors, markers, paint brush.

Cake Bosses Baking Lab

Ages: Students entering grades 3-8

Time: 11:00 am - 12:30 pm

Cost: \$600

Faculty: Andrew Ledee and Paul Clarke

Sessions 1 and 2

Join GCDS Cake Bosses, Mr. Ledee and Mr. Clarke, and discover how to take your baking to the next level. Whether you are an avid baker or just getting started, we will help you create delicious masterpieces. Practice fundamental skills, learn pro tips, and try out cool new recipes that will delight the senses.

Materials: Baking equipment and the Ingredient lists will be sent to participating families before the start of the class.

Writing Jazz

Ages: Students entering grades 6-8

Time: 11:00am - 12:30pm

Cost: \$800

Faculty: Shaun Kelly

Sessions 1 and 2

Writing, like music, is an art form that follows set rules and yet begs for creative expression. Like the athlete who makes an unexpected move on the field, a writer has the potential to do the same. The goal in this lab is to not only foster a few rules to your skill-set, but to unleash the artist within you, both prose and poetry. The final destination will be for you to be published in a journal/blog by the time the class ends. Interested? You have no idea how much fun this can be! Mr. Kelly, a published writer for 30 years, can't wait to "launch" you into the literary stratosphere this summer!

Materials: N/A

Exercise Physiology Lab

Ages: Students entering grades 6-12

Time: 12:00 pm - 1:00 pm

Cost: \$800

Faculty: Abigael Yotts

Sessions 1 and 2

Your favorite professional athlete is looking for a new head personal trainer! Prepare for the interview of a lifetime. Discover how the world's best athletes stay in shape. Join us to explore the fundamentals of Exercise Physiology and learn how the human body changes with different types of physical activity. Use what you discover to help you show your stuff in a culminating mock interview. Do you have what it takes to train with the best?

Note: Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: N/A

The Healthy Mind & Body Lab

Ages: Students entering grades 4-6

Time: 12:00 pm - 12:45 pm

Cost: \$400

Faculty: Elisa Brown

Sessions 1 and 2

Health is about both body and mind. Throughout this engaging lab experience, you will be challenged to reflect on your current health and develop personal goals. We will explore the importance of exercise and nutrition, and you will have the opportunity to craft your “Healthy Mind and Body” action plans. During each day’s class, we will practice positive habits of mind and body. Simultaneously, you will work with your peers to develop an online wellness resource for other students.

Materials: Students will be asked to download a free app

A Picture is Worth a Thousand Words

Ages: Students entering grades 6-8

Time: 12:00 pm - 2:00 pm

Cost: \$800

Faculty: El Gagnon

Session 2 Only

When the arts conspire, creativity is endless! Join in as we explore famous works of art. Learn brief backgrounds of specific artists while you develop your research skills and creative writing techniques. Work on building confidence with grammatical and mechanical skills and expand your vocabulary. You will meet famous artists, reading excerpts of their writing and examining specific paintings. In addition, we will employ our research skills to learn about the time periods in which they lived. Short warm-up writing exercises will help get our minds in the writing mindset, and we will develop your compositions through peer group workshops and one-on-one conferencing with the teacher. You will also select an artist of interest and then craft a short biography and a creative piece based on one of the painter’s works of art.

Materials: N/A

Take a Stand - A Writing Lab

Ages: Students entering grades 6-8

Time: 12:00 pm - 2:00 pm

Cost: \$800

Faculty: El Gagnon

Session 1 Only

This writing lab will develop your ability to express a specific position, using both current events issues and novel themes. We will explore a variety of techniques to enhance your writing. Work on grammatical and mechanical skills will be woven throughout the experience, as will emphasis on powerful vocabulary usage. We will read excerpts from diverse authors and editorials and uncover the powerful writing techniques used in each piece. Each day, we will engage in warm-up writing exercises, prior to peer group workshops and one-on-one conferencing with the teacher. Finally, you will focus your writing on an individual piece in which you take a stand and support a theme or issue of your choice.

Materials: N/A

Intro to French & International Cuisine

Ages: Students entering grades 8-12

Time: 12:30 pm - 1:00 pm

Cost: \$400

Faculty: Chefs Ann Rossi and Anthony Rinaldi

Sessions 1 and 2

Join Chefs Rossi and Rinaldi for this “jam” packed summer culinary class will go over everything from knife skills and mother sauces to quick and easy summer recipes the whole family will enjoy! Modifications for gluten free and vegetarians will be available, so there is nothing to stop you from enjoying the flavors of our favorite time of the year!

Materials: Ingredients list will be sent to participating families before the start of the class, cooking tools are needed

The Voice Lab

Ages: Students entering grades 6-12

Time: 1:00 pm - 2:00 pm and private lesson to be scheduled with Mr. De Vries

Cost: \$800

Faculty: Jonathan De Vries

Sessions 1 and 2

Do you love singing? Do you love Broadway? Enroll in the Voice Lab for an online singing and musical theater intensive. We will focus on the voice of the individual performer through daily mini-voice lessons, and practice audition techniques. We will also have the chance to explore a bit of the history of Musical Theater. This lab will include a combination of private lesson time and collaborative class meetings.

Materials: Ability to record yourself singing (audio and video)—a computer, phone, or tablet is great.

El Mundo Hispanohablante!

A Culinary Tour of the Spanish-speaking World

Ages: Students entering grades 2-6

Time: 1:00 pm - 3:00 pm

Cost: \$800

Faculty: Kelley Giovannangeli and Kathy Leon Lacourt

Sessions 1 and 2

Around the Spanish-speaking world in two weeks: join us for a bilingual, culinary tour of el mundo hispanohablante! Get ready to dive into cooking and baking with las profesoras, as we explore the food and culture of different countries. Explorers will build a bilingual cookbook of recipes we have made together, along with some contributed from participating families. Instruction will take place primarily in English, but we will share a variety of Spanish enrichment materials for those who would like to build their vocabulary.

Materials: ingredients list will be sent to participating families before the start of the class, basic cooking tools are needed

The Knitting Room

Ages: Students entering grades 2-12 and parents of participants

Time: 1:30 pm - 2:30 pm

Cost: \$800

Faculty: Betsy Mena

Session 1 Only

Let's Knit! Join Mrs. Mena and learn this incredible art form. While building your knitting skills, you will discover the secrets behind crafting different patterns and the differences between types of wool. Whether you are a beginning knitter or a more advanced learner, you will learn tips and tricks that will let you enjoy this wonderfully mindful practice. **Note:** Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: Yarn kits with needles will be sent to participants via mail by Mrs. Mena.

Film Editing Lab

Ages: Students entering grades 7-12

Time: 2:00 pm - 3:00 pm

Cost: \$600

Faculty: William Rill and Karin Wolff

Sessions 1 and 2

As an explorer in the Film Editing Lab you'll be challenged to create a short movie and build your media editing skills using Adobe Premiere Pro, a powerful video and music editor. You will learn how to edit your movie and soundtrack, adding dynamic scenes transitions, eye-catching text, pop-ups, and other effects. Then, you will splice your scenes together to create your movie masterpiece and screen it at our red carpet premiere event.

Materials: Access to Premiere Pro (GCDS students already have a license for Premiere Pro on their computers. Participants without a GCDS computer need to ensure their computer is compatible with this software, and can contact support@gcgs.net to obtain a temporary license for the duration of the module.)

Recent History in American Sports

Ages: Students entering grade 8-12

Time: 2:00 pm - 4:00 pm

Cost: \$800

Faculty: Patrick Scanlon

Session 1 Only

A study of American sports history since the 1970's. Sports have become big business and much of that can be traced back to its growth since the 1970's with TV, sneaker companies, and the internet. We will explore some of the big names and deals of this time period through projects, debates, documentaries, and guest speakers. Our goal will be to understand what has led to the enormous growth of American sports in recent years, and to consider how it might develop in the future.

Materials: N/A

Sports Leadership Lab

Ages: Students entering grades 8-12

Time: 2:00 pm - 4:00 pm

Cost: \$800

Faculty: Patrick Scanlon

Session 2 Only

Discover what makes great leadership in sports and how you can develop your leadership ability, both in and out of the classroom. We will look into great leaders in recent sport and learn what made them effective. Along the way, we will follow a program that will help you hone your own leadership abilities.

Materials: A workbook called *The Team Captain's Leadership Manual*

The Women Who Shaped America

Ages: Students entering grades 5-7

Time: 4:30 pm - 5:15 pm

Cost: \$400

Faculty: Lauren Hart and Bridgit Murray

Session 1 Only

Join Miss Murray and Miss Hart in an exploration of the women who have shaped America! Meet heroic women who played critical roles in the development

of our country. We will examine primary source documents, images, and more to better understand how these amazing people impacted the course of our history. Practice important research, writing, and communication skills, and gain an appreciation for the invaluable part these Americans played in the story of our country.

Materials: Paper, and writing materials *ability to print is helpful

Restaurant Tycoon

Ages: Students entering grades 4-6

Time: 3:00 pm - 3:45 pm

Cost: \$400

Faculty: Rachel Luongo

Sessions 1 and 2

What does it take to open a restaurant? Become a restaurant tycoon and design your own restaurant. You will get to design it all, from the decor and menu to the advertising plan. Each day, you will solve problems and work through simulated challenges, from budgets to staffing. Will your design earn the coveted Luongo Star?

Materials: N/A

SneakerHeads Lab

Ages: Students entering grades 6-12

Time: 3:00 pm - 4:00 pm

Cost: \$800

Faculty: Keith Williams, Andy Ramirez, Andrew Ledee and J.R. Howe

Sessions 1 and 2

Calling all sneakerheads. Join this all-star crew of GCDS faculty for an eye-opening exploration of the global phenomenon of sneaker culture. We will examine regional differences, economic and cultural implications, and the impact of legal and black-market trade. Come along as we discover how the sneaker market became a global culture.

Materials: N/A

Upper School Modules

Spanish Intensive Lab

Ages: Students entering grades 6-9

Time: 9:00 am - 10:00 am

Cost: \$600

Faculty: Jose Salazar

Sessions 1 and 2

Join us for an in-depth exploration of Spanish through the three modes of communication—interpretive, interpersonal, and presentational. Work together with your peers as we review and strengthen skills you acquired in your previous study. In this fun Spanish intensive, you will continue practicing speaking, reading, and writing, and have fun in the process.

Materials: N/A

The Applied Math of Physics and Chemistry

Ages: Students entering grades 10-12

Time: 9:00 am - 10:15 am

Cost: \$800

Faculty: Doug Carr and Andrew Dutcher

Session 1 Only

Explore topics in high school physics and chemistry. This lab will include a review of the math commonly used in sophomore and junior year science courses. Through group discussions, live and pre-recorded demonstrations, and online video-based experiments you will master these challenging concepts. Among other skills, you will gain practice in dimensional analysis, graphing, and data analysis. Join us as we investigate thrilling topics like thermochemistry, kinematics, fluid forces, waves, and optics.

Materials: Calculator

Let's Do Some Good in Our Local Community!

The Center for Public Good Lab

Ages: Students entering grades 2-12 & parents of participants

Time: 9:00 am - 10:30 am

Cost: \$400

Faculty: Jen Donnalley, Austin Lehn and Steph Lehn
Session 1 Only

Engage with the local community that is living in isolation. Continue our remote outreach and set yourselves up to run these events as long as social distancing continues. You will create programming (games, presentations, performances, demonstrations) and learn how to run Zoom from the back end. **Note:** This lab is based in Greenwich and will require participants to be local during each week of the session.

Materials: N/A

Loving Holden: A Study of Salinger's *The Catcher in the Rye*

Ages: Students entering grades 8-10 and parents of participants

Time: 9:00 am - 10:30 am

Cost: \$800

Faculty: Shaun Kelly

Sessions 1 and 2

One of the most beloved and yet misunderstood books of the twentieth century, J. D. Salinger's *The Catcher in the Rye* turns out to be the perfect summer book for our pandemic times. Because Master English teacher Shaun Kelly taught Salinger's *The Catcher in the Rye* for 25 years to ninth-grade students at GCDS, he now wants to open up teenagers' and adults' eyes to the joys of a novel that is elegy to adolescent alienation, even as it captures the deeply human need for connection and the bewildering sense of loss as individuals move from childhood to adulthood. Get ready to examine and explore a book from someone who knows it as well as his own children. We will not only read it, discuss it, and analyze it, but we will write daily journal entries about it. It will make your summer. Promise!

Materials: Copies of *The Catcher in the Rye*

Were They Right? - Looking at Ethical Problems throughout History

Ages: Students entering grades 7-9

Time: 9:00 am - 9:45 am

Cost: \$400

Faculty: J.R. Howe and Rob Waller

Session 2 Only

Join us as we take a look at decisions that shaped history and examine the ethical dilemmas they presented. Throughout our country's history, decisions were made by those who showed up. We will work together to explore why those in the arena chose to act as they did, and unpack the ramifications of those decisions. Was a better outcome possible? There is more to each of these dilemmas than meets the eye. In our exploration, we will tackle fascinating texts, engage in Harkness discussions and debates, and help you hone your analytical writing skills.

Materials: N/A

Wizards, Superheroes, and Gods: Appreciating the Impact of Ancient Mythology on Modern Pop Culture

Ages: Students entering grades 9-12

Time: 9:00 am - 9:45 am

Cost: \$600

Faculty: Michael Mezzo

Session 1 Only

Heroes have inspired us for ages, their stories passed down through the generations. Join in as we investigate the myths that inspire contemporary books and films, including the Percy Jackson, Harry Potter, and Hunger Games series. Along the way, we will explore mythological representations in visual art, graphic novels and comics, and music, and create some of our own.

Materials: Basic craft materials

The Great GCDS GooseChase

Ages: Students entering grades 4 - 12

Time: 9:00 am - 9:55 am

Cost: \$600

Faculty: Ellie Molyneux

Sessions 1 and 2

Join the Great GCDS GooseChase and get ready for a challenge! We will start each morning with a preview of the day's options, and then you will earn points for your team throughout the day by completing academic challenges, creative endeavors, STEAM projects, and outdoor activities. You will also be challenged to grab a device and head out searching for big-ticket items like a statue with a tri-corner hat, or a license plate number you can make into a number sentence that equals 1926. Every completed challenge will earn your team points, so pick the challenges you are most excited about, and let's get started. Who will be the next GCDS GooseChase Champion? **Note:** Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: GooseChase App subscription (participants under 13 years old will need parental permission and assistance)

Journalism Lab

Ages: Students entering grades 9-12

Time: 9:30 am - 10:30 am

Cost: \$600

Faculty: Peter Katona

Sessions 1 and 2

Welcome to the wonderful world of journalism. Join a team of reporters, photographers, and researchers to help build our Upper School newspaper site. Tap into and develop your research, interviewing, and non-fiction writing skills. Whether this is an introduction to news-writing and gathering, or you have already got your press pass, this lab will give you the opportunity to explore your interests while enhancing the experiences of the GCDS student body and Upper School community.

Materials: Camera, NYT subscription

Globe Trekkers Lab

Ages: Students entering grades 8-12

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Eliot Spencer

Sessions 1 and 2

PLAN YOUR DREAM TRIP! Where would you go if you could plan a trip to ANYWHERE in the world? Join Mr. Spencer, world traveling enthusiast and logistics aficionado, as you “dream big” and develop a proposal for an unforgettable trip. Work in collaboration with peers and refine important skills surrounding the planning, logistics, and finances of travel. After researching the destination(s) you choose, you will get the chance to “pitch” your trip. Craft a great plan, and your trip might happen, possibly even as a GCDS-sponsored trip! Mr. Spencer has been designing, leading, and chaperoning student travel for over a decade, and has visited every continent in the world except Antarctica. He is excited to share his passion for world travel with you!

Materials: N/A

Screenwriters Lab

Ages: Students entering grades 6-12

Time: 10:00 am - 11:00 am

Cost: \$800

Faculty: David Kucher

Session 1 Only

So, do you want to make a movie? You need a great story, of course, but how do you take that terrific tale and turn it into a screenplay? Discover the tricks of the trade during this investigation into the art of screenwriting. Our exploration will start with a reading of a full screenplay, followed by an opportunity to watch the accompanying film. We will unpack the techniques the screenwriter employed and then work on crafting our own screenplays. We will continue to read screenplays, watch movies, and enhance our sense of storytelling structure, three act structure, and eight sequence structure.

Materials: N/A

Spanish Heritage Lab

Ages: Students entering grades 6-9

Time: 10:00 am - 11:00 am

Cost: \$600

Faculty: Jose Salazar

Sessions 1 and 2

This lab is designed for participants who are growing up in a Spanish-speaking family. The experience will bring you and other heritage speakers together in an exploration of our shared Hispanic experience, and the way aspects of that experience are revealed by art and literature written in Spanish. In the process, you will also have an opportunity to become more familiar with aspects of Spanish-language mechanics, springboarding you towards broader fluency.

Este curso está diseñado para participantes que hablan español en casa. Esta experiencia les brindará a los estudiantes hablantes de herencia una oportunidad única de poder explorar temas auténticos y literatura escrita en español. También tendrán la oportunidad de familiarizarse con la mecánica del lenguaje para adquirir así una fluidez más amplia al expresarse en español.

Materials: Provided by instructor

Advanced Data Science Lab

Ages: Students entering grade 9-12

Time: 10:30 am - 11:15 am

Cost: \$600

Faculty: Gordon Campbell

Session 1 Only

Discover the power of Data Science. Learn to build databases and mine them for valuable information. Using publicly available datasets and industry reporting tools, we will experiment with a variety of data representations. Upon completion of this lab experience, you will be able to confidently and efficiently create reports, graphs, and web pages.

Materials: N/A

Songwriters Lab

Ages: Students entering grades 9-12

Time: 12:00 pm - 12:30 pm with additional private writing sessions to be scheduled with Ms. Brooks

Cost: \$600

Faculty: Anitra Brooks

Sessions 1 and 2

Write and perform an original, acoustic song, culminating in a live performance. Explorers will learn lyric-writing techniques, basic song form for popular music, and how to write a chord progression. Collaborate with your peers as you create, edit, and perform your own songs.

Materials: Pencil/pen, notebook, mobile recording device (i.e., iPod or iPhone with Voice Memo app; hand-held voice recorder). Optional: musical instrument (i.e., ukulele, guitar, piano).

Exercise Physiology Lab

Ages: Students entering grades 6-12

Time: 12:00 pm - 1:00 pm

Cost: \$800

Faculty: Abigael Yotts

Sessions 1 and 2

Your favorite professional athlete is looking for a new head personal trainer! Prepare for the interview of a lifetime. Discover how the world's best athletes stay in shape. Join us to explore the fundamentals of Exercise Physiology and learn how the human body changes with different types of physical activity. Use what you discover to help you show your stuff in a culminating mock interview. Do you have what it takes to train with the best?

Note: Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: N/A

Intro to French & International Cuisine

Ages: Students entering grades 8-12

Time: 12:30 pm - 1:00 pm

Cost: \$400

Faculty: Chefs Ann Rossi and Anthony Rinaldi

Sessions 1 and 2

Join Chefs Rossi & Rinaldi for this "jam" packed summer culinary class will go over everything from knife skills and mother sauces to quick and easy summer recipes the whole family will enjoy! Modifications for gluten free and vegetarians will be available, so there is nothing to stop you from enjoying the flavors of our favorite time of the year!

Materials: ingredients list will be sent to participating families before the start of the class, cooking tools are needed

Let's Save the World!

A Sustainability Lab

Ages: Students entering grades 9-12

Time: 1:00 pm - 2:00 pm

Cost: \$600

Faculty: Dan Castrigano

Sessions 1 and 2

Join Mr. Castrigano for a crash course on sustainability. Each day we will examine a different topic related to economic, social, or environmental sustainability. Example topics include climate, poverty, food waste, transportation, and biodiversity. Students will encounter new content, engage in thought-provoking discussions, and, most importantly, take action to make the world a better place.

Materials: N/A

The Voice Lab

Ages: Students entering grades 6-12

Time: 1:00 pm - 2:00 pm and private lesson to be scheduled with Mr. De Vries

Cost: \$800

Faculty: Jonathan De Vries

Sessions 1 and 2

Do you love singing? Do you love Broadway? Enroll in the Voice Lab for an online singing and musical theater intensive. We will focus on the voice of the individual performer through daily mini-voice lessons, and practice audition techniques. We will also have the chance to explore a bit of the history of Musical Theater. This lab will include a combination of private lesson time and collaborative class meetings.

Materials: ability to record yourself singing (audio and video) - a computer, phone, or tablet is great.

The Knitting Room

Ages: Students entering grades 2-12 and parents of participants

Time: 1:30 pm - 2:30 pm

Cost: \$800

Faculty: Betsy Mena

Session 1 Only

Let's Knit! Join Mrs. Mena and learn this incredible art form. While building your knitting skills, you will discover the secrets behind crafting different patterns and the differences between types of wool. Whether you are a beginning knitter or a more advanced learner, you will learn tips and tricks that will let you enjoy this wonderfully mindful practice. By the end of this lab, you will create a knitted item you will use forever.

Note: Participants can expect approximately one hour of work each day in addition to meeting time.

Materials: Yarn kits with needles will be sent to participants via mail by Mrs. Mena.

Film Editing Lab

Ages: Students entering grades 7-12

Time: 2:00 pm - 3:00 pm

Cost: \$600

Faculty: William Rill and Karin Wolff

Sessions 1 and 2

As an explorer in the Film Editing Lab you'll be challenged to create a short movie and build your media editing skills using Adobe Premiere Pro, a powerful video and music editor. You will learn how to edit your movie and soundtrack, adding dynamic scenes transitions, eye-catching text, pop-ups, and other effects. Then, you will splice your scenes together to create your movie masterpiece and screen it at our red carpet premiere event.

Materials: Access to Premiere Pro (GCDS students already have a license for Premiere Pro on their computers. Participants without a GCDS computer need to ensure their computer is compatible with this software, and can contact support@gcgs.net to obtain a temporary license for the duration of the module.)

Aww Shucks!: How to Become an Oyster Gardener

Ages: Students entering grades 9-12

Time: 2:00 pm - 4:00 pm

Cost: \$800

Faculty: Joe Helpern

Session 1 Only

Take a deep dive into the world of the oyster. Learn the fascinating history of our relationship with this incredible bivalve. Delve into its biology, role in industry, and importance to the environment - especially Long Island Sound. With the help of Soundwaters Educators, as well as The Greenwich Shellfish and Conservation Commissions, you will design and build an oyster cage that will house your own oysters that will then live out their days at nearby Tod's Point! Come along for a unique experience, complete with at-home investigations, classes from GCDS's current oyster reef, and discussions with oyster experts. It is going to be amazing!

Note: This lab is based in Greenwich and will require participants to be local or pick up materials prior to the start of the module.

Materials: Supply list and additional information regarding materials will be provided by Mr. Helpen in advance.

Recent History in American Sports

Ages: Students entering grade 8-12

Time: 2:00 pm - 4:00 pm

Cost: \$800

Faculty: Patrick Scanlon

Session 1 Only

A study of American sports history since the 1970's. Sports have become big business and much of that can be traced back to its growth since the 1970's with TV, sneaker companies, and the internet. We will explore some of the big names and deals of this time period through projects, debates, documentaries, and guest speakers. Our goal will be to understand what has led to the enormous growth of American sports in recent years, and to consider how it might develop in the future.

Materials: N/A

Sports Leadership Lab

Ages: Students entering grades 8-12

Time: 2:00 pm - 4:00 pm

Cost: \$800

Faculty: Patrick Scanlon

Session 2 Only

Discover what makes great leadership in sports and how you can develop your leadership ability, both in and out of the classroom. We will look into great leaders in recent sport and learn what made them effective. Along the way, we will follow a program that will help you hone your own leadership abilities.

Materials: A workbook called *The Team Captain's Leadership Manual*

Rapping & Rhyming Lab

Ages: Students entering grades 9-12 and parents/guardians of participants

Time: 2:15 pm - 3:15 pm

Cost: \$600

Faculty: Dan Castrigano

Sessions 1 and 2

Drop the beat! Harness your inner creative spirit as you write and share your own raps. We will explore different elements of writing and performing, such as figurative language, rhythm, rhyme, breath control, and flow. Join Mr. Castrigano as you find your own voice within this powerful art form. No experience necessary.

Materials: A favorite notebook and writing implement

Brand Incubator

Ages: Students entering grades 9-12

Time: 3:00 pm - 4:00 pm

Cost: \$600

Faculty: Henrique Monnerat

Sessions 1 and 2

Build your brand plan. We will work together to analyze the brands of famous companies, organizations, and celebrities, and you'll discover what makes a brand logo effective. You will develop a plan for a personal brand, a community initiative, or a business idea, and identify what makes your brand unique. While mastering a variety of design tools, you will transform your idea into a brand of your own.

Materials: Paper, color pencils, black pen, Adobe Illustrator. (GCDS students already have a license for Adobe Illustrator on their computers. Participants without a GCDS computer need to ensure their computer is compatible with this software, and can contact support@gcds.net to obtain a temporary license for the duration of the module.)

SneakerHeads Lab

Ages: Students entering grades 6-12

Time: 3:00 pm - 4:00 pm

Cost: \$800

Faculty: Keith Williams, Andy Ramirez, Andrew Ledee and J.R. Howe

Sessions 1 and 2

Calling all sneakerheads. Join this all-star crew of GCDS faculty for an eye-opening exploration of the global phenomenon of sneaker culture. We will examine regional differences, economic, and cultural implications, and the impact of legal and black-market trade. Come along as we discover how the sneaker market became a global culture.

Materials: N/A

Introduction to Watercolors

Ages: Students entering grades 9-12 and parents of participants

Time: 4:00 pm - 5:00 pm

Cost: \$600

Faculty: Jane Graham

Session 1 Only

Summer is the perfect time to work with watercolors! In this module we will learn the basics of painting with watercolors. Students will be introduced to various watercolor techniques including color mixing, shading, washes and wet on wet. While the focus will be on painting landscapes, we will explore the magical capabilities of this medium in our daily exercises.

Materials: A set of watercolor paints (12 colors), watercolor sketch pad (140 lb.), watercolor brushes, watercolor pencils (not necessary but helpful)

Celebrate Your Creative Self

Ages: Students entering grades 9-12 and parents of participants

Time: 4:00 pm - 5:00 pm

Cost: \$600

Faculty: Jane Graham

Session 2 Only

Whether you think of yourself as an artist or not, this lab is designed to spark creativity through a series of fun and engaging art-making activities. We will meet daily to discuss the work of a contemporary artist as our springboard for inspiration. After discussion, reflection and some warm up exercises, we will get to work creating art with everyday materials. We will celebrate each participant as an artist, and you will tap into your own creative potential.

Materials: A sketchbook and some traditional art/school supplies (colored pencils, markers, a glue stick, etc.)