



SUMMER SCIENCE DISCOVERY PROGRAM

June 4 - July 6

New
Registration
Process
Find Descriptions of Classes
Online

2018 Summer Schedule
Classes held at Bixby Elementary School
16446 Wedgeworth Dr.,
Hacienda Heights, CA 91745
youthsciencecenter.org

FIRST SESSION (8:30-10:00 am) **3HR= 3 HOUR CLASS** (8:30-11:45 am WITH A 15 MIN BREAK)

Week 1: June 4-June 8						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
100	Art Smart-Full STEAM Ahead	Science, Art	K-1	20	\$69	\$75
101	Rad Robots	Computer Programing, Engineering, Physics	K-1	21	\$74	\$80
102	CSI Jr. 3HR	Criminology, Forensics	K-1	19	\$110	\$120
103	Rad Robots	Computer Programing, Engineering, Physics	2-3	22	\$74	\$80
104	Augmented Reality Sandbox 3HR	Geology	2-3	17	\$110	\$120
105	WeDo- STEM Challenge	Robotics	2-4	10	\$87	\$95
106	3D Printing 3HR	Computer Science	4-6	4	\$120	\$130
107	Peep® Pressure Think Like an Astronaut 3HR	Astrophysics	5-8	9	\$115	\$125
108	Rockets Away	Rocketry	5-8	13	\$78	\$85
109	Hacking- CyberSecurity 101	Computer Science	7-8	11	\$115	\$125

Week 2: June 11-June 15						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
200	Digging Up Dinosaurs	Paleontology	K-1	20	\$69	\$75
201	More Great Minds in Science 3HR	General Science	K-1	19	\$110	\$120
202	Explore the Ocean Deep 3HR	Marine Biology	K-3	17	\$110	\$120
203	Mammal Mania	Biology	2-3	21	\$69	\$75
204	WeDo- STEM Challenge	Robotics	2-4	10	\$87	\$95
205	Tune In To Nature	Biology	2-6	9	\$69	\$75
206	Survival Minecraft: City Planning and Architecture Pt. 1 3HR	Entertainment Technology, Architecture	3-6	12	\$129	\$140
207	3D Printing 3HR	Computer Science	4-6	4	\$120	\$130
208	Mind Games	Psychology, Anatomy	6-8	13	\$69	\$75
209	Helping Hands 3HR	Biomedical Engineering	6-8	9	\$115	\$125

Week 3: June 18-June 22						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
300	Weird Science	Chemistry, Physics	K-1	20	\$69	\$75
301	Science as Art 3HR	General Science	K-1	19	\$110	\$120
302	Rockin' Reptiles 3HR	Herpetology	K-3	17	\$110	\$120
303	Science Tricks & Trivia	Physics	2-3	14	\$74	\$80
304	Go Magnetic	Physics	2-4	10	\$78	\$85

*Listed member prices reflect a discount of approximately 8%. Your discount will be applied during checkout.

Week 3: June 18-June 22 (Continued)						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
305	Survival Minecraft: City Planning and Architecture Pt. 2	Entertainment Technology, Architecture	3-6	12	\$129	\$140
306	3D Printing	Computer Science	4-6	4	\$120	\$130
307	Survival Anatomy	Anatomy, Physiology	4-8	13	\$69	\$75
308	Chemistry Reacts	Chemistry	4-8	22	\$115	\$125
309	Engineering Challenge	Engineering	6-8	9	\$115	\$125

Week 4: June 25- June 29						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
400	See into the Sea	Marine Biology	K-1	20	\$69	\$75
401	Art in the Wild	General Science, Art	K-8	22	\$110	\$120
402	Get STEAM'ed Again	General Science, Art, Engineering	2-3	19	\$110	\$120
403	Kitchen Chemistry	Chemistry	2-3	14	\$78	\$85
404	Woodworking	Carpentry	3-4	13	\$69	\$75
405	Survival Minecraft: City Planning and Architecture Pt. 3	Entertainment Technology, Architecture	3-6	12	\$129	\$140
406	3D Printing	Computer Science	4-6	4	\$120	\$130
407	EV3 - Go Ballistics for Physics	Robotics, Physics	4-8	10	\$87	\$95
408	Virtual vs. Augmented Reality- Is That Real?	Entertainment Technology, Physics	5-8	17	\$78	\$85
409	Science Olympiad: The Summer Games	General Science	6-8	9	\$115	\$125

Week 5: July 2-3 and July 5-6 (Four days only)						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
500	The Cycle of Life	Biology	K-1	20	\$55	\$60
501	Light and Sound	Physics, Acoustics	K-3	19	\$88	\$96
502	Totally Wild Science	General Science	2-3	14	\$59	\$64
503	Light Bright	Optics	2-6	10	\$55	\$60
504	Survival Minecraft: City Planning and Architecture Pt. 4	Entertainment Technology, Architecture	3-6	12	\$103	\$112
505	3D Printing	Computer Science	4-6	4	\$96	\$104
506	Micro-monsters	Microbiology	6-8	13	\$55	\$60
507	Hacking - CyberSecurity 102 (Advanced Class)	Computer Science	7-8	11	\$92	\$100

There will be **no** classes held on **July 4** due to national holiday.

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Week 1: June 4-June 8						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
110	Coding for Kids	Computer Science	K-1	22	\$74	\$80
111	Coding for Kids	Computer Science	2-3	21	\$74	\$80
112	Art Smart - Full STEAM Ahead	Science, Art	2-3	20	\$69	\$75
113	Rockets Away	Rocketry	3-4	13	\$78	\$85
114	EV3 - Get Ready for Mars	Robotics, Physics	4-8	10	\$87	\$95

Week 2: June 11-June 15						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
210	Mammal Mania	Biology	K-1	21	\$69	\$75
211	Digging Up Dinosaurs	Paleontology	2-3	20	\$69	\$75
212	Biodiversity - Big and Small	Biology	2-6	14	\$69	\$75
213	EV3 - Go Ballistic for Physics	Robotics, Physics	4-8	10	\$87	\$95
214	Crime Solvers	Criminology, Forensics	6-8	13	\$69	\$75

Week 3: June 18-June 22						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
310	Get the DIRT on Soil	Soil Science	K-2	21	\$69	\$75
311	Weird Science	Chemistry, Physics	2-3	20	\$69	\$75
312	Motor Mania	Engineering	2-4	10	\$78	\$85
313	Science Tricks & Trivia	Physics	4-5	14	\$74	\$80
314	Rad Robots	Computer Programming, Engineering, Physics	4-8	13	\$74	\$80

Week 4: June 25- June 29						
Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
410	Coding For Kids	Computer Science	K-1	21	\$74	\$80
411	See into the Sea	Biology	2-3	20	\$69	\$75
412	WeDo - STEM Challenge	Robotics	2-4	10	\$87	\$95
413	Kitchen Chemistry	Chemistry	4-6	14	\$78	\$85
414	Woodworking	Carpentry	4-8	13	\$69	\$75
415	Disease Detective	Epidemiology, Microbiology	6-8	17	\$69	\$75

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SECOND SESSION (10:15-11:45 pm)

RECESS IS 10:00-10:15 am

Week 5: July 2-3 and July 5-6 (Four days only)

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
508	Mind Games Jr.	Psychology, Anatomy	K-1	21	\$55	\$60
509	The Cycle of Life	Biology	2-3	20	\$55	\$60
510	Contraption Carnival	Inventions	2-5	10	\$55	\$60
511	Totally Wild Science	General Science	4-6	14	\$59	\$64
512	Dissecting for Science	Biology	6-8	13	\$59	\$64

There will be **no** classes held on **July 4** due to national holiday.

THIRD SESSION (12:30-3:45 pm)

RECESS IS 2:00-2:15 pm

Week 1: June 4-June 8

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
115	Augmented Reality Sandbox	Geology	K-1	21	\$110	\$120
116	CSI Jr.	Criminology, Forensics	2-3	19	\$110	\$120
117	Play it Faster, Higher, Stronger	Sports Science, Physics	4-8	14	\$110	\$120
118	Hacking - CyberSecurity 101	Computer Science	7-8	11	\$115	\$125

Week 2: June 11-June 15

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
215	Floating Above and Beyond to NEWER Planets	Astronomy	K-2	21	\$110	\$120
216	More Great Minds in Science	General Science	2-3	19	\$110	\$120
217	STEM Toy Creation	Engineering	3-5	13	\$115	\$125
218	Minecraft - Game Design Pt. 1	Entertainment Technology	5-8	12	\$129	\$140
219	Rockin' Science	Cymatics, Physics, Art	6-8	22	\$110	\$120

Week 3: June 18-June 22

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
315	Rockin' Science	Cymatics, Physics, Art	K-1	21	\$110	\$120
316	Science as Art	General Science	2-3	19	\$110	\$120
317	Rockin' Science	Cymatics, Physics, Art	3-5	13	\$110	\$120
318	Minecraft - Game Design Pt. 2	Entertainment Technology	5-8	12	\$129	\$140
319	Hacking - CyberSecurity 101	Computer Science	7-8	11	\$115	\$125

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THIRD SESSION (12:30-3:45 pm)

RECESS IS 2:00-2:15 pm

Week 4: June 25- June 29

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
416	Amazing Anatomy	Anatomy	K-1	19	\$110.40	\$120
417	STEM Tower Challenge	Architecture, Engineering	2-4	21	\$110.40	\$120
418	Minecraft- Game Design Pt. 3	Entertainment Technology	5-8	12	\$128.80	\$140
419	Hacking- CyberSecurity 101	Computer Science	7-8	11	\$115	\$125

Week 5: July 2-3 and July 5 (Three days only)

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
513	That's Gross, Don't Eat That!	Anthropology, Biology	K-2	19	\$66.24	\$72
514	Rad Robots	Computer Programing, Engineering, Physics	3-4	21	\$66.24	\$72
515	Minecraft- Game Design Pt. 4	Entertainment Technology	5-8	12	\$78.20	\$85
516	Hacking- CyberSecurity 102 (Advanced Class)	Computer Science	7-8	11	\$69	\$75

There will be **no** classes held on **July 4** and **July 6**.

FOURTH SESSION (4:15-6:00 pm)

RECESS IS 3:45-4:15 pm

Week 1: June 4-June 8

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
119	Zany Science	Aeronautics, Physics	K-8	17	\$64	\$70

Week 2: June 11-June 15

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
220	Out of this World Trekker	Astronomy, Earth Science	K-8	17	\$64	\$70
221	Minecraft: Redstone Engineering	Entertainment Technology, Electrical Engineering	3-8	12	\$87	\$95

Week 3: June 18-June 22

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
320	Zany Science	Chemistry, Physics	K-8	17	\$64	\$70
321	Minecraft: Redstone Engineering	Entertainment Technology, Electrical Engineering	3-8	12	\$87	\$95

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Week 4: June 25- June 29

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
420	Zany Zoo	Zoology	K-8	17	\$64	\$70
421	Minecraft: Redstone Engineering	Entertainment Technology, Electrical Engineering	3-8	12	\$87	\$95

Week 5: July 2-3 and July 5 (Three days only)

Class No.	Class Title	Subject	Grade	Room	Member*	Non-Member
517	Let's Get Digital: Virtual vs Augmented Reality	Technology, Environmental Science	K-8	17	\$39	\$42
518	Minecraft: Redstone Engineering	Entertainment Technology, Electrical Engineering	3-8	12	\$52	\$57

There will be **no** classes held on **July 4** and **July 6**.

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FREQUENTLY ASKED QUESTIONS

How Do I Register?

Attention: the Youth Science Center has changed to a new online registration system.

1. Go to www.youthsciencecenter.org.
2. Click on the "Summer Science Discovery" button.
3. Please view our tutorial video or document for a step-by-step guide on how to register your children.
3. Select the week that you desire to register for and pay using the online system's prompts.
4. A class confirmation will be sent to you via email automatically once registered via the online system. We regret that we are not able to confirm classes by telephone.
5. For more information regarding registration please email Elaine Chiu at elaine@youthsciencecenter.org. For more class information, please call Diana Padilla at (626) 588-7818.
6. We will post a list of classes closed due to full enrollment on our website.

When Should I Register?

Registration is first come, first served. Register early to avoid disappointment.

What Age Must My Child Be to Participate?

Grade level is listed on the class schedule. This is the grade your child will be entering in September 2018. Preschool Students must be 4 years old as of September 2017 and must be registered as a kindergartener or above for the September 2018 school year.

Where Are the Classes Located?

Bixby Elementary, 16446 Wedgeworth Drive in Hacienda Heights. (Across the street from Wilson High School.)

Where Can I Find Class Descriptions?

Please go to our website, click on the "Summer Science Discovery" button, and download the Summer 2018 Schedule with descriptions.

16446 Wedgeworth Dr.
Hacienda Heights, CA 91745

Website: www.youthsciencecenter.org
Phone: (626) 588-7818
Email: ysc@youthsciencecenter.org

Youth Science Center
Nonprofit 501(c)3 Organization
Federal Tax ID: 95-2273238

FREQUENTLY ASKED QUESTIONS

What Payment Options Do You Accept?

We can accept credit, debit, PayPal, and check payments online. Please note that any bounced checks will be charged a \$35 service fee.

Am I a Member or a Non-Member?

Unless you have previously purchased a life membership fee, your membership expires on May 1.

What About Lunch Time Supervision?

Your child's safety and comfort are extremely important to us. Any child who is enrolled in classes right before and right after lunch (12:30pm) of the same week will be supervised during lunch time. **Students must bring their own lunch.** We do not provide microwaves for the students. Activities will be provided when the students have finished eating. There is no additional charge for this supervision.

What Happens if I Register Late?

Late registrants are considered those who register after the first day of class. Late registrants will be charged \$5.00.

What is Your Cancellation Policy?

If you must cancel your registration one day before the class starts, please email Elaine Chiu at elaine@youthsciencecenter.org. No cancellations can be accepted over the phone. Cancellations before the first day of class will be given a full refund in original form of payment. Cancellations after the class has begun will be issued class credit for the 2018 summer program **minus a \$20 processing fee per class.** Please allow 5-7 business days for any refunds.

YOUTH SCIENCE CENTER

Mission

Established in 1962, the Youth Science Center (YSC) is a non-profit organization dedicated to improving math and science education.

The mission of the Youth Science Center is to inform, instruct, and inspire our youth to discover the excitement of science and technology through innovation and hands-on experience. We have built a reputation for presenting quality science, math, and computer, classes for students grades K through 8 living throughout Los Angeles County's San Gabriel Valley.

Science Center Staff

Diana Padilla, Project Manager
Phyllis Vandeventer, Principal
Elaine Chiu, Registrar

Officers & Board Members

Ron Chong, Chairman
Roger Huynh, Vice Chairman
Philip Teders, Treasurer
Victor Wu, Secretary

Scott Bevans
Stan Liu
Piyusha Perera
Thaminda Ramanayake
Vicky Soong
Phyllis Vandeventer
Chad Wilson

2018 Summer Program | June 4- July 6

Classes this summer are at Bixby Elementary School.
16446 Wedgeworth Dr, Hacienda Heights, CA 91745
Please contact us at **(626) 854-9825** before the program begins and use **(626) 588-7818** during and after the program begins.

<p>3D Printing #106-Instructor Steven Bach. 8:30-11:45 AM This is a double length-class. Grades 4-6. Learn the basics of additive manufacturing (3D printing) using cutting edge tools and computer aided design software. Create several digital models using a 3D printer. You might make a key chain, a small box with a lid, and create your own models. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>3D Printing #207-Instructor Steven Bach. 8:30-11:45 AM This is a double length-class. Grades 4-6. Learn the basics of additive manufacturing (3D printing) using cutting edge tools and computer aided design software. Create several digital models using a 3D printer. You might make a key chain, a small box with a lid, and create your own models. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>3D Printing #306-Instructor Steven Bach. 8:30-11:45 AM This is a double length-class. Grades 4-6. Learn the basics of additive manufacturing (3D printing) using cutting edge tools and computer aided design software. Create several digital models using a 3D printer. You might make a key chain, a small box with a lid, and create your own models. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>3D Printing #406-Instructor Steven Bach. 8:30-11:45 AM This is a double length-class. Grades 4-6. Learn the basics of additive manufacturing (3D printing) using cutting edge tools and computer aided design software. Create several digital models using a 3D printer. You might make a key chain, a small box with a lid, and create your own models. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>3D Printing #505-Instructor Steven Bach. 8:30-11:45 AM This is a double length-class. Grades 4-6. Learn the basics of additive manufacturing (3D printing) using cutting edge tools and computer aided design software. Create several digital models using a 3D printer. You might make a key chain, a small box with a lid, and create your own models. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Amazing Anatomy #416-Instructor Patrice Stanzione. 12:30-3:45 PM. Grades K-1. From cells to systems, children will experience and experiment while learning about their working body machines. Be part of a comprehensive study of comparative anatomy in both us and animals. Discover what an owl ate and rearticulate the skeleton of its prey. Be prepared for California's 5th grade science test ahead of time. Leave with a student-made book of 3D representations.</p>
<p>Art in the Wild #401-Instructor Pat Smith. 8:30-11:45 AM This is a double length-class. Grades K-8th. Develop visual thinking skills by becoming an artist who explores geometric shapes in drawing plants, animals, shells, and other natural forms. Experience different media of charcoal, pastels, pen, ink, acrylics, and watercolor paints. (This class meets most of the BSA requirements for the Art Merit Badge). 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Art Smart-Full STEAM Ahead #100-Instructor Leann Legind. 8:30 -10:00 AM. Grades K-1. Get ready for new projects in "Art Smart." All the projects are brand new, integrating science,art, and literature. Students will use medium such as watercolor, oil pastels, chalk, markers, tempera, and so much more. Students will create collages, masterpieces, batik, and one-of-a-kind creations. Get smart with art!</p>
<p>Art Smart-Full STEAM Ahead #112-Instructor Leann Legind. 10:15-11:45 AM. Grades 2-3. Get ready for new projects in "Art Smart." All the projects are brand new, integrating science,art, and literature. Students will use media such as watercolor, oil pastels, chalk, markers, tempera, and so much more. Students will create collages, masterpieces, batik, and one-of-a-kind creations. Get smart with art!</p>
<p>Augmented Reality Sandbox #104-Instructor Brandie Koehm. 8:30-11:45 AM This is a double length-class. Grades 2-3. Come check out how the Augmented Reality Sandbox works. Create your own volcano, glaciers, tsunamis, floods, and map design with interactive software then compare and contrast with your own vinegar and baking soda volcanoes, salt and ice cube glaciers, cardboard designed topographic maps, and much more. This is a double length class.</p>
<p>Augmented Reality Sandbox #115-Instructor Vanessa Lozano. 12:30-3:45 PM. Grades K-1. Come check out how the Augmented Reality Sandbox works. Create your own volcano, glaciers, tsunamis, floods, and map design with interactive software then compare and contrast with your own vinegar and baking soda volcanoes, salt and ice cube glaciers, cardboard designed topographic maps, and much more.</p>
<p>Biodiversity-Big and Small #212-Instructor Robert Smith. 10:15-11:45 AM. Grades 2-6. Come examine, sketch, compare, and identify shells, flowers, leaves, bark, rocks, and plants. Plant seeds hydroponically and observe their development, create a sun trap, sundial, and a compass in a cup.</p>
<p>Chemistry Reacts #308-Instructor Pat Smith. 8:30-11:45 AM This is a double length-class. Grades 4-8. Explore the chemistry behind elephant's toothpaste, Alka-Seltzer rockets, mud cakes, density tubes, crystal formations, and chromatography. 3 hour class from 8:30-11:45 am with 15 min. break.</p>

<p>Coding For Kids #110-Instructor Loni Cuatt. 10:15-11:45 AM. Grades K-1. This is an introductory course that teaches kids how to use critical thinking skills, identify "bugs" and how to solve them, how to follow and predict a set of instructions, and decompose a problem into smaller steps by playing on-line coding games on an iPad. To finish it off, students will make an actual board game of their digital creations.</p>
<p>Coding For Kids #111-Instructor Vanessa Lozano. 10:15-11:45 AM. Grades 2-3. This is an introductory course that teaches kids how to use critical thinking skills, identify "bugs" and how to solve them, how to follow and predict a set of instructions, and decompose a problem into smaller steps by playing on-line coding games on an iPad. To finish it off, students will make an actual board game of their digital creations.</p>
<p>Coding For Kids #410-Instructor Vanessa Lozano. 10:15-11:45 AM. Grades K-1. This is an introductory course for first time students that teaches them how to use critical thinking skills, identify "bugs" and how to solve them, how to follow and predict a set of instructions, and decompose a problem into smaller steps by playing on-line coding games on an iPad. To finish it off, students will make an actual board game of their digital creations. Basic programming skills will be reinforced for returning students.</p>
<p>Contraption Carnival #510-Instructor Robert Smith. 10:15-11:45 AM. Grades 2-5. Make the fastest roller derby car, create marble roller derby cars, create marble roller coasters, design and build boats and barges, and erect the tallest and strongest towers.</p>
<p>Crime Solvers #214-Instructor Stephanie Bendlin-Trevino. 10:15-11:45 AM. Grades 6-8. Learn how detectives and forensic scientists help solve crimes through the use of technology as well as critical thinking. Experience firsthand and solve mysteries behind everyday crimes in our crime lab while exploring fingerprinting, analyzing handwriting and much more while learning how to solve crimes and make a difference! Who knows? Maybe you'll discover a new career path!</p>
<p>CSI Jr. #102-Instructor Patrice Stanzione. 8:30-11:45 AM This is a double length-class. Grades K-1. Be a junior Crime Scene Investigator by learning about fingerprints, analyzing mystery fluids and powders, drawing a likeness, and deciphering paper chromatography. All of these skills can solve a silly crime using your brain and your senses. Be a science detective and save the day! (Crimes and clues change each year, so come back summer after summer for new mysteries!) 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>CSI Jr. #116-Instructor Patrice Stanzione. 12:30-3:45 PM. Grades 2-3. Be a junior Crime Scene Investigator by learning about fingerprints, analyzing mystery fluids and powders, drawing a likeness, and deciphering paper chromatography. All of these skills can solve a silly crime using your brain and your senses. Be a science detective and save the day! (Crimes and clues change each year, so come back summer after summer for new mysteries!)</p>
<p>Digging Up Dinosaurs #200-Instructor Leann Legind. 8:30 -10:00 AM. Grades K-1. Explore the world of dinosaurs as you go on a fossil hunt, put together a model dinosaur skeleton, excavate your very own fossil, and more! You'll have a "roarin" good time!</p>
<p>Digging Up Dinosaurs #211-Instructor Leann Legind. 10:15-11:45 AM. Grades 2-3. Explore the world of dinosaurs as you go on a fossil hunt, put together a model dinosaur skeleton, excavate your very own fossil, and more! You'll have a "roarin" good time!</p>
<p>Disease Detective #415-Instructor Stephanie Bendlin-Trevino. 10:15-11:45 AM. Grades 6-8. Be a CDC (Center for Disease Control and Prevention) detective. As the detective, you will use your critical thinking and teamworking skills to identify a new infectious disease that has spread through your community. Conduct CDC testing methods to find "Patient Zero", build your own "Personal Protective Equipment", and actually go through CDC approved quarantine methods. Learn about deadly pathogens, how diseases are spread, see microbes and watch them grow in this exciting class!</p>
<p>Dissecting for Science #512-Instructor Nicolette Prudente. 10:15-11:45 AM. Grades 6-8. Have you ever wanted to know how an organism works from the inside? How the structure of an organism helps it survive in the wild? Come be a biological researcher and explore how things work through dissection! Students will explore the inner workings of 5 different organisms in this hands-on minds-on class.</p>
<p>Engineering Challenge #309-Instructor Andrea Brown. 8:30-11:45 AM This is a double length-class. Grades 6-8. Students will use the design cycle process to work through engineering challenges that not only involve humans but also animals. Students will plan, design, build and test various types of challenges. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>EV3-Get Ready for Mars #114-Instructor Kim Bach. 10:15-11:45 AM. Grades 4-8. In this introductory robotics class, you will go through a series of training exercises to prepare you to guide your robot in solving real-world engineering challenges related to renewable energy on earth. Now we are ready for our trip to Mars where 7 STEM challenges await!</p>

<p>EV3-Go Ballistics for Physics #213-Instructor Kim Bach. 10:15-11:45 AM. Grades 4-8. In this new advanced robotics class, students will use their EV3 robot to run experiments related to force and motion, energy, light, and heat and temperature. Come join us and go ballistic building robotic machines that can investigate the intensity of light, study the phenomena of insulation and heat and energy transfer, and experiment with mechanical and kinematic forces.</p>
<p>EV3-Go Ballistics for Physics #407-Instructor Kim Bach. 8:30-10. Grades 4-8. In this new advanced robotics class, students will use their EV3 robot to run experiments related to force and motion, energy, light, and heat and temperature. Come join us and go ballistic building robotic machines that can investigate the intensity of light, study the phenomena of insulation and heat and energy transfer, and experiment with mechanical and kinematic forces.</p>
<p>Explore the Ocean Deep #202-Instructor Brandie Koehm. 8:30-11:45 AM This is a double length-class. Grades K-3. Come dive with me and have fun while exploring the ocean deep through music, fun foods, games and art. Come make a sea star and other ocean life to create your own underwater masterpiece. Learn how scientists explore and discover new ocean life through experiments while having fun working together. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Floating Above and Beyond to NEWER Planets #215-Instructor Vanessa Lozano. 12:30-3:45 PM. Grades K-2. Explore our solar system and the worlds outside of it...the most amazing, newly explored and discovered planets, stars and science behind NASA's discoveries. Float above and beyond as an astronaut learning about the Asteroid Belt, Kuiper Belt, and Oort Cloud all while using hands-on discoveries and experiments about how they are formed.</p>
<p>Get STEAM'ed, Again #402-Instructor Patrice Stanzione. 8:30-11:45 AM This is a double length-class. Grades 2-3. The interrelationships of Science, Technology, Engineering, Art, and Math make for some wonderful inventions and an exciting new class. All new activities. Create difficult tessellations like Escher, using math and art. Build structures using engineering and math. Use technology and science to invent amazing things. (Addresses Common Core Standards). 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Get the DIRT on Soil #310-Instructor Vanessa Lozano. 10:15-11:45 AM. Grades K-2. Come and and explore all NEW activities in the exciting world of soil and determine the composition, texture, color, density, and porosity of soils using sieves, a centrifuge (and without one), and a household sponge. Then create your own poster, illustrating what's inside soil and even eat your own 8 layer dirt dip!</p>
<p>Go Magnetic #304-Instructor Robert Smith. 8:30 -10:00 AM. Grades 2-4. Learn the mysterious forces of magnets and static electricity. Have fun testing and measuring these mysterious forces in this magnetic class.</p>
<p>Hacking - CyberSecurity 101 #109-Instructor Josh Chin. 8:30-11:45 AM This is a double length-class. Grades 7-8. The iPhone turned 10 years old last year. In those same 10 years, how we consume information and leverage technology every day has evolved before our very eyes. In turn that has changed the risks associated in modern computing, Augmented reality, Internet of Everything, and more. In Hacking - CyberSecurity 101, we will be diving into the inner workings of modern day computers, defending them against potential attackers, and increasing awareness of cybersecurity by delivering a basic cybersecurity education that enhances leadership, communication, cooperation, and critical thinking amongst students. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Hacking - CyberSecurity 101 #118-Instructor Josh Chin. 12:30-3:45 PM. Grades 7-8. The iPhone turned 10 years old last year. In those same 10 years, how we consume information and leverage technology every day has evolved before our very eyes. In turn that has changed the risks associated in modern computing, Augmented reality, Internet of Everything, and more. In Hacking - CyberSecurity 101, we will be diving into the inner workings of modern day computers, defending them against potential attackers, and increasing awareness of cybersecurity by delivering a basic cybersecurity education that enhances leadership, communication, cooperation, and critical thinking amongst students.</p>
<p>Hacking - CyberSecurity 101 #319-Instructor Josh Chin. 12:30-3:45 PM. Grades 7-8. The iPhone turned 10 years old last year. In those same 10 years, how we consume information and leverage technology every day has evolved before our very eyes. In turn that has changed the risks associated in modern computing, Augmented reality, Internet of Everything, and more. In Hacking - CyberSecurity 101, we will be diving into the inner workings of modern day computers, defending them against potential attackers, and increasing awareness of cybersecurity by delivering a basic cybersecurity education that enhances leadership, communication, cooperation, and critical thinking amongst students.</p>

Hacking - CyberSecurity 101 #419-Instructor Josh Chin. 12:30-3:45 PM. Grades 7-8. The iPhone turned 10 years old last year. In those same 10 years, how we consume information and leverage technology every day has evolved before our very eyes. In turn that has changed the risks associated in modern computing, Augmented reality, Internet of Everything, and more. In Hacking - CyberSecurity 101, we will be diving into the inner workings of modern day computers, defending them against potential attackers, and increasing awareness of cybersercurity by delivering a basic cybersecurity education that enhances leadership, communication, cooperation, and critical thinking amongst students.
Hacking - CyberSecurity 102 (Advanced Class) #507-Instructor Josh Chin. 8:30-11:45 AM This is a double length-class. Grades 7-8. Required: One Season of CyberPatriot OR Hacking - CyberSecurity 101. In Part 2 of this class, we're going to be diving into more complex cyber security issues, including encryption, decryption, advanced cybersecurity concepts and configurations for applications.
Hacking - CyberSecurity 102 (Advanced Class) #516-Instructor Josh Chin. 12:30-3:45 PM. Grades 7-8. Required: One Season of CyberPatriot OR Hacking - CyberSecurity 101. In Part 2 of this class, we're going to be diving into more complex cyber security issues, including encryption, decryption, advanced cybersecurity concepts and configurations for applications.
Helping Hands #209-Instructor Andrea Brown. 8:30-11:45 AM This is a double length-class. Grades 6-8. Students will work as Biomedical Engineers to design, build and test their own "hand gripper", otherwise known as a prosthetic limb, using biology, physics, math, and technology. 3 hour class from 8:30-11:45 am with 15 min. break.
Kitchen Chemistry #403-Instructor Teddy Sachs. 8:30- 10:00 AM. Grades 2-3. In Kitchen Chemistry, you'll learn basic chemistry by doing fun, easy-to-perform cooking projects that you'll get to eat when finished! Learn the mysteries of onions, yeast, popcorn, whipped cream, and angel food cake.
Kitchen Chemistry #413-Instructor Teddy Sachs. 10:15-11:45 AM. Grades 4-6. In Kitchen Chemistry, you'll learn basic chemistry by doing fun, easy-to-perform cooking projects that you'll get to eat when finished! Learn the mysteries of onions, yeast, popcorn, whipped cream, and angel food cake.
Let's Get Digital: Virtual vs Augmented Reality #517-Instructor Rachel Wampler . 4:15-6:00 PM. Grades K-8. Students will experience science through Virtual and Augmented Reality all while learning about Earth's natural forces, landforms, and much more!
Light and Sound #501-Instructor Patrice Stanzione. 8:30-11:45 AM This is a double length-class. Grades K-3. Students will learn about light and sound. Join us and play with light and shadows, make kaleidoscopes, shadow puppets, and make glasses sing. Work with light sticks and liquid light. Hear balloons scream and straws make music. Compose a piece of music using a self-made instrument. 3 hour class from 8:30-11:45 am with 15 min. break.
Light Bright #503-Instructor Robert Smith. 8:30 -10:00 AM. Grades 2-6. Work with reflection and refraction of light in air and water, use mirrors to send messages and test reflection, reflect and redirect light, create water magnifiers, produce multiple reflections, and create a shadow clock and sundial.
Mammal Mania #203-Instructor Vanessa Lozano. 8:30-10. Grades 2-3. Come explore some of the cutest mammals and what makes them unique. Touch, feel, and study them with hands on lessons and see how scientists research these amazing creatures!
Mammal Mania #210-Instructor Vanessa Lozano. 10:15-11:45 AM. Grades K-1. Come explore some of the cutest mammals and what makes them unique. Touch, feel, and study them with hands-on lessons and see how scientists research these amazing creatures!
Micro-monsters #506-Instructor Nicolette Prudente. 8:30 -10:00 AM. Grades 6-8. Ever wonder about the things we can't see? Well this class will explore microorganisms or creatures that are too small to see with our eyes alone. We'll be using microscopes, learning how to make our own slides, test for bacteria, and determine what "monsters" are in our sewage.
Mind Games #208-Instructor Stephanie Bendlin-Trevino. 8:30 -10:00 AM. Grades 6-8. Come and explore the amazing world of mind tricks, puzzles, and brain teasers. In this class you will learn not only how to solve these, but also how our brains work in these situations. So, you think you can figure it out?
Mind Games Jr. #508-Instructor Vanessa Lozano. 10:15-11:45 AM. Grades K-1. Come and explore the amazing world of mind tricks, puzzles, and brain teasers. Learn why your brain does what it does, put together puzzles, test your memory and your hand-eye coordination, learn how your senses work, create fun math games, and much more.

Minecraft: Redstone Engineering #221-Instructor Jim Pike. 4:15-6:00 PM. Grades 3-8. Explore the world of electrical engineering in Minecraft with Redstone. In this class, you will learn the properties of Redstone, make circuits, and build amazing machines!
Minecraft: Redstone Engineering #321-Instructor Jim Pike. 4:15-6:00 PM. Grades 3-8. Explore the world of electrical engineering in Minecraft with Redstone. In this class, you will learn the properties of Redstone, make circuits, and build amazing machines!
Minecraft: Redstone Engineering #421-Instructor Jim Pike. 4:15-6:00 PM. Grades 3-8. Explore the world of electrical engineering in Minecraft with Redstone. In this class, you will learn the properties of Redstone, make circuits, and build amazing machines!
Minecraft: Redstone Engineering #518-Instructor Jim Pike. 4:15-6:00 PM. Grades 3-8. Explore the world of electrical engineering in Minecraft with Redstone. In this class, you will learn the properties of Redstone, make circuits, and build amazing machines!
Minecraft-Game Design Pt 1 #218-Instructor Jim Pike. 12:30-3:45 PM. Grades 5-8. In this class, students will learn how to design their own automated video games in Minecraft. Learn elements of game design such as how to plan out maps, create challenges, and learn to code with Minecraft commands.
Minecraft-Game Design Pt 2 #318-Instructor Jim Pike. 12:30-3:45 PM. Grades 5-8. In this class, students will learn how to design their own automated video games in Minecraft. Learn elements of game design such as how to plan out maps, create challenges, and learn to code with Minecraft commands. Part 1 is not required to take this class.
Minecraft-Game Design Pt 3 #418-Instructor Jim Pike. 12:30-3:45 PM. Grades 5-8. In this class, students will learn how to design their own automated video games in Minecraft. Learn elements of game design such as how to plan out maps, create challenges, and learn to code with Minecraft commands. Parts 1 and 2 are not required to take this class.
Minecraft-Game Design Pt 4 #515-Instructor Jim Pike. 12:30-3:45 PM. Grades 5-8. In this class, students will learn how to design their own automated video games in Minecraft. Learn elements of game design such as how to plan out maps, create challenges, and learn to code with Minecraft commands. Parts 1, 2 and 3 are not required to take this class.
More Great Minds in Science #201-Instructor Patrice Stanzione. 8:30-11:45 AM This is a double length-class. Grades K-1. Learn about the most amazing men and women in Science. Adding on to our knowledge of Einstein to Hawking, Newton to Brown, learn how regular people changed the way we look at things. New scientists will be added this year. Children will learn about the discoveries and inventions that affect our lives. These student scientists will discuss and experiment like the great minds and come away with a student-made book of the greats and their contributions using Common Core strategies. 3 hour class from 8:30-11:45 am with 15 min. break.
More Great Minds in Science #216-Instructor Patrice Stanzione. 12:30-3:45 PM. Grades 2-3. Learn about the most amazing men and women in Science. Adding on to our knowledge of Einstein to Hawking, Newton to Brown, learn how regular people changed the way we look at things. New scientists added this year. Children will learn about the discoveries and inventions that affect our lives. These student scientists will discuss and experiment like the great minds and come away with a student-made book of the greats and their contributions using Common Core strategies.
Motor Mania #312-Instructor Robert Smith. 10:15-11:45 AM. Grades 2-4. Use small motors to create fans, visual illusions, and stroboscopes, to steer small boats, drive a mini-car, and similar activities depending on time.
Out of this World Trekker #220-Instructor Rachel Wampler . 4:15-6:00 PM. Grades K-8. Students will learn about the principles of science all while creating astronaut pudding, craters on the moon, clouds, rain, and much more!
Peep Pressure-Think Like an Astronaut #107-Instructor Andrea Brown. 8:30-11:45 AM This is a double length-class. Grades 5-8. We will explore hands-on activities to show why humans need protective pressure suits in outer space. We will investigate pressure, temperature and density in space. We will also do hands-on activities to explore the "Principles of Flight". 3 hour class from 8:30-11:45 am with 15 min. break.
Play It Faster, Higher, Stronger #117-Instructor TBD. 12:30-3:45 PM. Grades 4-8. Why are your feet the most important piece of complex sports equipment? Come jump, run, climb, kick and study the science behind many of the sports we play and how we play them. You'll learn about how your body works, learn to improve your sport as well as your performance and have fun keeping busy and physically active!

Rad Robots #101-Instructor Vanessa Lozano. 8:30 -10:00 AM. Grades K-1. Learn basic programming rules to maneuver your mini robot through various types of mazes, obstacle courses, and terrains. Use your critical thinking skills to engineer diverse types of transportation media for your robot. Learn the basic principles of physics required to maneuver your robot.
Rad Robots #103-Instructor Loni Cuatt. 8:30 -10:00 AM. Grades 2-3. Learn basic programming rules to maneuver your mini robot through various types of mazes, obstacle courses, and terrains. Use your critical thinking skills to engineer diverse types of transportation media for your robot. Learn the basic principles of physics required to maneuver your robot.
Rad Robots #314-Instructor Stephanie Bendlin-Trevino. 10:15-11:45 AM. Grades 4-8. Learn engineering and programming skills to maneuver your SPRK robot through student designed-mazes and through the intricate system of the human heart. Program your SPRK robot to send coded messages to Mars, dance to music and capture it via photography, and learn linear relationships to aid in various STEM challenges.
Rad Robots #514-Instructor Vanessa Lozano. 12:30-3:45 PM. Grades 3-4. Learn basic programming rules to maneuver your SPRK robot through various types of mazes, obstacle courses, and terrains. Use your critical thinking skills to engineer diverse types of transportation media for your robot. Learn the basic principles of physics required to maneuver your robot. Basic programming skills will be reinforced for returning students.
Rockets Away #108-Instructor Lyle Majeska. 8:30-10. Grades 5-8. Learn how a Rocket flies. Build your own Rocket, fire it, and take it home.
Rockets Away #113-Instructor Lyle Majeska. 10:15-11:45 AM. Grades 3-4. Learn how a Rocket flies. Build your own Rocket, fire it, and take it home.
Rockin' Reptiles #302-Instructor Brandie Koehm. 8:30-11:45 AM This is a double length-class. Grades K-3. Come and learn about the exciting world of reptiles. Learn through music, games, creative writing, food creations and hands on experiences with real reptiles, such as snakes, lizards, turtles and much much more!! 3 hour class from 8:30-11:45 am with 15 min. break.
Rockin' Science #219-Instructor Terri Burgess. 12:30-3:45 PM. Grades 6-8. Cymatics is an emerging science that blends sound and matter. In this class you not only get to hear music, but you will also get to SEE it. Learn the physics behind cymatics, get to rock out to music created by your own instruments, and learn about different vocal ranges by studying famous singers.
Rockin' Science #315-Instructor Vanessa Lozano. 12:30-3:45 PM. Grades K-1. Cymatics is an emerging science that blends sound and matter. In this class you not only get to hear music, but you will also sing it, create it, and dance to it, but most importantly, you will get to SEE it. Learn the physics behind cymatics, get to rock out to music created by your own instruments, and learn about different vocal ranges by studying famous singers.
Rockin' Science #317-Instructor Stephanie Bendlin-Trevino. 12:30-3:45 PM. Grades 3-5. Cymatics is an emerging science that blends sound and matter. In this class you not only get to hear music, but you will also get to SEE it. Learn the physics behind cymatics, get to rock out to music created by your own instruments, and learn about different vocal ranges by studying famous singers.
Science as Art #301-Instructor Patrice Stanzione. 8:30-11:45 AM This is a double length-class. Grades K-1. Come and learn the master's basics and end up producing the most striking works of art. Learn Da Vinci's techniques to Rembrandt's Golden Triangle, create pieces you will keep forever! (Addresses Common Core Visual and Performing Arts Standards). 3 hour class from 8:30-11:45 am with 15 min. break
Science as Art #316-Instructor Patrice Stanzione. 12:30-3:45 PM. Grades 2-3. Come and learn the master's basics and end up producing the most striking works of art. Learn Da Vinci's techniques to Rembrandt's Golden Triangle, create pieces you will keep forever! (Addresses Common Core Visual and Performing Arts Standards).
Science Olympiad: The Summer Games! #409-Instructor Jennifer Collins. 8:30-11:45 AM This is a double length-class. Grades 6-8. Want to hone your skills in Science? Come join us to learn about the skills of Mystery Architecture, Optics, Towers, and etc. as we explore some of the events of the Science Olympiad program. Taught by a current coach of Science Olympiad. 3 hour class from 8:30-11:45 am with 15 min. break.
Science Tricks & Trivia #303-Instructor Teddy Sachs. 8:30 -10:00 AM. Grades 2-3. Hold up 100 pounds with just one hand! Learn to whip the tablecloth out from under the dinner dishes. Turn a plastic comb into a magic wand. Learn how a single egg can support a 200 pound person. Sound incredible? Try this class and see for yourself.

<p>Science Tricks & Trivia #313-Instructor Teddy Sachs. 10:15-11:45 AM. Grades 4-5. Hold up 100 pounds with just one hand! Learn to whip the tablecloth out from under the dinner dishes. Turn a plastic comb into a magic wand. Learn how a single egg can support a 200 pound person. Sound incredible? Try this class and see for yourself.</p>
<p>See into the Sea #400-Instructor Leann Legind. 8:30 -10:00 AM. Grades K-1. Put on your mask. Get ready to look into the ocean. Learn about the amazing animals that live in this incredible world. Make your own ocean fish print, dissect a squid, observe fish and a hermit crab, make a jelly fish and identify shells to take home. You'll have a seasational time!</p>
<p>See into the Sea #411-Instructor Leann Legind. 10:15-11:45 AM. Grades 2-3. Put on your mask. Get ready to look into the ocean. Learn about the amazing animals that live in this incredible world. Make your own ocean fish print, dissect a squid, observe fish and a hermit crab, make a jelly fish and identify shells to take home. You'll have a seasational time!</p>
<p>STEM Tower Challenge #417-Instructor Vanessa Lozano. 12:30-3:45 PM. Grades 2-4. What kind of unique designs will you build to create the highest tower, what design skills will you use to have your tower carry the heaviest load, how will you engineer a tower with the lightest materials? All of these and many more questions will be answered in this challenging architecture class that will also teach you about some of the real world architectural feats.</p>
<p>STEM Toy Creation #217-Instructor Stephanie Bendlin-Trevino. 12:30-3:45 PM. Grades 3-5. Students will explore different types of science (chemistry, physics, electricity, and magnetism) and engineer a variety of toys. Students will create and engineer a remote control snake, a doodle-bot, magnetic slime, and so much more.</p>
<p>Survival Anatomy #307-Instructor Stephanie Bendlin-Trevino. 8:30 -10:00 AM. Grades 4-8. Can your blood really poison you? How hot is too hot? How does adrenaline help you? How are respiratory illnesses transmitted? These and other physiological questions will be answered in this Survival Anatomy class...would you know what to do in a survival situation?</p>
<p>Survival Minecraft: City Planning and Architecture Pt 1 #206-Instructor Jim Pike. 8:30-11:45 AM This is a double length-class. Grades 3-6. In this class, you will learn how to build cities by taking some basic principles of architecture, such as designing blueprints, clearing land, and putting facades on your buildings and incorporating them into your Minecraft build, all while battling dangerous mobs of a survival world. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Survival Minecraft: City Planning and Architecture Pt 2 #305-Instructor Jim Pike. 8:30-11:45 AM This is a double length-class. Grades 3-6. In this class, you will learn how to build cities by taking some basic principles of architecture, such as designing blueprints, clearing land, and putting facades on your buildings and incorporating them into your Minecraft build, all while battling dangerous mobs of a survival world. Part 1 is not required for this class. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Survival Minecraft: City Planning and Architecture Pt 3 #405-Instructor Jim Pike. 8:30-11:45 AM This is a double length-class. Grades 3-6. In this class, you will learn how to build cities by taking some basic principles of architecture, such as designing blueprints, clearing land, and putting facades on your buildings and incorporating them into your Minecraft build, all while battling dangerous mobs of a survival world. Parts 1 and 2 are not required for this class. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>Survival Minecraft: City Planning and Architecture Pt 4 #504-Instructor Jim Pike. 8:30-11:45 AM This is a double length-class. Grades 3-6. In this class, you will learn how to build cities by taking some basic principles of architecture, such as designing blueprints, clearing land, and putting facades on your buildings and incorporating them into your Minecraft build, all while battling dangerous mobs of a survival world. Parts 1, 2, and 3 are not required for this class. 3 hour class from 8:30-11:45 am with 15 min. break.</p>
<p>That's Gross, Don't Eat That! #513-Instructor Patrice Stanzione. 12:30-3:45 PM. Grades K-2. What's yummy to some cultures is just plain weird to others. Come see, feel, smell, and even taste some exotic foods from other cultures. Understand food chains and webs. This class changes and varies it's foods and cultures each year so children can return summer after summer and still make new discoveries!</p>
<p>The Cycle of Life #500-Instructor Leann Legind. 8:30 -10:00 AM. Grades K-1. Observe the metamorphosis of frogs, butterflies, and beetles. Make models, draw observations, learn songs, handle live animals, eat edible insects and more! You will even be able to take your own pet home to observe the life cycle process, with parent permission.</p>

The Cycle of Life #509-Instructor Leann Legind. 10:15-11:45 AM. Grades 2-3. Observe the metamorphosis of frogs, butterflies, and beetles. Make models, draw observations, learn songs, handle live animals, eat edible insects and more! You will even be able to take your own pet home to observe the life cycle process, with parent permission.
Totally Wild Science #502-Instructor Teddy Sachs. 8:30 -10:00 AM. Grades 2-3. Learn Newton's Third Law of Motion and blast a soda bottle rocket, learn about colloids as you create static electric slime, blow a human encasing bubble, erupt a Mentos geyser, shoot a bolt of lightning from your fingertip and much more in this Totally Wild Science class!
Totally Wild Science #511-Instructor Teddy Sachs. 10:15-11:45 AM. Grades 4-6. Learn Newton's Third Law of Motion and blast a soda bottle rocket, learn about colloids as you create static electric slime, blow a human encasing bubble, erupt a Mentos geyser, shoot a bolt of lightning from your fingertip and much more in this Totally Wild Science class!
Tune In To Nature #205-Instructor Robert Smith. 8:30 -10:00 AM. Grades 2-6. Examine, study, sketch, and compare the features of mealworms, crickets, ladybugs, earthworms, pill bugs, snails, and etc.
Virtual vs Augmented Reality-Is That Real? #408-Instructor Stephanie Bendlin-Trevino. 8:30-10:00. Grades 5-8. Learn how virtual and augmented reality are changing the face of education and our current jobs today. Come and see for yourself in a hands-on learning environment the difference between how Pokemon Go is designed and why, and then transport yourself into a totally new land through virtual reality. Learn how programmers and people all over the world are improving design and innovation through this technology.
WeDo-STEM Challenge #105-Instructor Kim Bach. 8:30-10. Grades 2-4. Develop science and engineering skills with WeDo 2.0. Learn to design prototypes, use models, plan and carry out investigations, analyze and interpret data, communicate information of natural and physical phenomena with your robot. Are you up to the STEM challenge?
WeDo-STEM Challenge #204-Instructor Kim Bach. 8:30-10:00. Grades 2-4. Develop science and engineering skills with WeDo 2.0. Learn to design prototypes, use models, plan and carry out investigations, analyze and interpret data, communicate information of natural and physical phenomena with your robot. Are you up to the STEM challenge?
WeDo-STEM Challenge #412-Instructor Kim Bach. 10:15-11:45 AM. Grades 2-4. Develop science and engineering skills with WeDo 2.0. Learn to design prototypes, use models, plan and carry out investigations, analyze and interpret data, communicate information of natural and physical phenomena with your robot. Are you up to the STEM challenge?
Weird Science #300-Instructor Leann Legind. 8:30 -10:00 AM. Grades K-1. Students will learn the scientific principles behind chemical reactions, mixtures, and solutions as they create elephant toothpaste, bottle rockets, and much more. So get ready to go crazy over science!
Weird Science #311-Instructor Leann Legind. 10:15-11:45 AM. Grades 2-3. Students will learn the scientific principles behind chemical reactions, mixtures, and solutions as they create elephant toothpaste, watch "Goo-Yuck" dance, make the coolest slime ever, watch dry ice fizz and bubble, launch a bottle rocket, and even more. So get ready to go crazy over science!
Woodworking #404-Instructor Lyle Majeska. 8:30 -10:00 AM. Grades 3-4. Learn to use hand tools and power tools safely. Make fun projects out of pine wood.
Woodworking #414-Instructor Lyle Majeska. 10:15-11:45 AM. Grades 4-8. Learn to use hand tools and power tools safely. Make fun projects out of pine wood. Make a wooden pen to take home.
Zany Science #119-Instructor Rachel Wampler. 4:15-6:00 PM. Grades K-8. Come join us for all new hands-on science activities this year! Students will learn about the principles of science all while learning about flight, rockets, planes, and much more!
Zany Science #320-Instructor Rachel Wampler . 4:15-6:00 PM. Grades K-8. Come join us for all new hands-on science activities this year! Students will learn about the principles of science all while creating fake snow, bath bombs, turning milk into plastic, eating magnetic cereal, and much more!
Zany Zoo #420-Instructor Rachel Wampler . 4:15-6:00 PM. Grades K-8. Students will learn about the principles of science all while learning about insects, spiders, lizards, mammals, and much more!