



**ACE  
KIDS**  
*Winter 2022*

# ACE Kids Winter 2022: At-a-Glance

Class	Day	Grades	Class	Day	Grades
<b>BISHOP</b>			<b>STRATTON</b>		
Spanish/French	Mon	K-5	FunDrumz	Mon	K-2
LEGO Junior Engineers	Tues	1-3	Spanish	Tues	K-5
Parkour	Tues	3-5	Engineering Workshop	Wed	K-2
Creative Cartooning	Wed	3-5	Exploring Watercolor	Wed	3-5
Chess Wizards	Thurs	1-5	Kids' Test Kitchen	Thurs	3-5
App Inventors	Fri	3-5	Nathan's Ninjas	Fri	K-5
Young Inventors	Fri	K-2	LEGO Adventures	Fri	3-5
<b>BRACKETT</b>			<b>THOMPSON</b>		
Kids Newsroom	Mon	3-5	Spanish/Mandarin	Mon	K-5
Habitat Nature Detectives	Mon	K-2	P.E. Morning Power	Tues	1-2
Chess Wizards	Tues	1-5	3D Printing	Tues	4-5
Spanish/French	Wed	K-5	Nathan's Ninjas	Tues	K-5
Art Explorers	Thurs	K-2	Coding Fun	Wed	1-2
Video Game Design	Thurs	3-5	P.E. Morning Power	Thurs	3-5
STEM with LEGO	Fri	K-2	Crafting is Cool	Thurs	1-3
<b>DALLIN</b>			Jewelry Making	Thurs	4-5
Circuit Makers 101	Mon	K-2	Mini Masterpieces	Thurs	4-5
Actor's Toolbox	Tues	K-2	Chess Wizards	Fri	1-5
Imaginative Illustration	Tues	3-5	<b>GIBBS</b>		
Minecraft Architecture	Wed	3-5	Young Activists	Mon	6
Spanish/French	Thurs	K-5	Jewelry Making	Tues	6
Chess Wizards	Fri	1-5	LARP Foundations	Tues	6
<b>HARDY</b>			Chess Wizards	Thurs	6
Chess Wizards	Mon	1-5	Public Speaking & Debate	Thurs	6
Creative Cartooning	Mon	3-5	Minecraft Modding	Fri	6
FunDrumz	Tues	K-2	<b>OTTOSON</b>		
Justice Squad	Tues	3-5	Clay Creations	Mon	7-8
Spanish/Mandarin	Wed	K-5	LARP Foundations	Mon	7-8
Radiant Child Yoga	Thurs	3-5	Winter Outdoor Running	M/W/Th	7-8
Engineering Workshop	Fri	K-2	Babysitting Basics	Thurs	7-8
<b>PEIRCE</b>			Dungeons & Dragons	Thurs	7-8
P.E. Morning Power	Mon	1-2	Minecraft Modding	Thurs	7-8
Video Game Design	Mon	3-5	LARP Games	Fri	7-8
Young Inventors	Mon	K-2	<b>AROUND TOWN</b>		
Business Sharks	Tues	3-5	Parkour Indoor @ AHS/Gibbs	Tues	Varies
P.E. Morning Power	Wed	3-5	Parkour Outdoor @ OMS	Sat	Varies
Chess Wizards	Wed	1-5	Ukulele @ Gibbs	Tues Eve	Ages 9-13
Fiber Arts Studio	Wed	3-5	Drumming @ Gibbs	Wed Eve	5+
Spanish	Thurs	K-5	OWL @ Gibbs	Thurs Eve	8-9
STEM with LEGO	Thurs	K-2	Home Alone Safety (Online)	Sun	3-6
Radiant Child Yoga	Fri	3-5			



# ACE Kids (K-8)

## Important Information

### Registration

Students may take classes at any school, however ACE does not provide transportation. All youth registrations must be made online. It is important that you update your child's grade, school, dismissal information, as well as list any health/behavior concerns in our system that will help the teacher. We want every student to have a positive learning experience so please make sure your child shows an interest in a class before enrolling.

### Logistics

For elementary, an ACE staff member will gather children after school and escort them to class. Students are dismissed by the instructor according to the dismissal plan you select when registering (walk/pickup/afterschool). If you are picking up your child, please be prompt. Late fees will apply. Students at Gibbs and Ottoson will receive a classroom assignment a few days before class and may dismiss themselves.

### Tuition Assistance

Partial tuition assistance is available for many youth classes for APS students who receive free or reduced lunch. Please email us with a copy of your free-lunch form *before* registering.

### Special Considerations

Our programs are equal access. We do not discriminate against children with disabilities. We encourage parents to disclose any medical or disability-related needs in your child's online profile. If you believe your child requires a specific reasonable accommodation for medical or disability-related needs, please contact our office to discuss your child's needs at least two weeks prior to start. Please note that ACE programs are not school-sponsored special education programs, so children are not entitled to the same IEP services and accommodations during programming.

### Behavior Policy

Children who attend our programs should be able to participate in group activities with teacher supervision and treat fellow students and staff with respect. If a child is unable to do so, the teacher or director will contact parents to discuss appropriate next steps.

### Additional Policies

See page 37.

## Arts & Crafts

### Art Explorers

*Pam Shanley-Daube, Arlington Center for the Arts*

Have a blast as we explore a variety of media to learn basic art concepts like texture, line, color, and shape, while creating 2D and 3D projects. We will use all sorts of materials—from paints and pencils to found objects and paper mache. In the process we will reflect on our projects and increase our art vocabulary.

**Brackett | Grades K-2**

**10 Thursdays | Jan. 20–Mar. 31 | 2:40–4:10 pm | \$285**

### Clay Creations

*Kayla McKenna*

Come experiment with clay to create a variety of imaginative and useful objects. We will discuss form and function and practice different hand-building techniques (pinching, coiling, and slab building) as well as surface decoration as we build sculptural, functional, and fantastical pieces of art.

**Ottoson | Grades 7-8**

**5 Mondays | Feb. 28–Mar. 28 | 3:10–4:10 pm | \$89**

### Crafting is Cool

*Hui Ru Liang & Lisa Treadwell*

Explore a seemingly endless supply of fun materials in this “craft-tacular” class. We'll use cool stuff like popsicle sticks, beads, buttons, and felt to make fluffy pompoms, puppets, pillows, and more. Expand your crafting skills, learn to sew, or improve your sewing skills as we experiment with different stitches. Crafting really is cool!

**Thompson | Grades 1-3**

**10 Thursdays | Jan. 20–Mar. 31 | 2:40–3:55 pm | \$205**

### Creative Cartooning

*Sue Rice, Arlington Center for the Arts*

Have you ever wanted to create characters like ones in your favorite graphic novels? Develop characters, settings, and dialog to design your own comic strips and graphic novels from your imagination. Learn how images, exaggeration, character development, and expression can make your ideas come to life. Work with a variety of materials including ink, colored pencil, and more.

**Grades 3-5 | 2:40–4:10 pm**

**Hardy | 9 Mondays | Jan. 24–Mar. 28 | \$255**

**Bishop | 10 Wednesdays | Jan. 19–Mar. 30 | \$285**

## Exploring Watercolor

Julie Powers, Arlington Center for the Arts

Let's dive deep into the world of watercolor. Take this common medium to new heights as we explore color theory, composition, and contrast. Discover new watercolor techniques and experiment alongside friends and classmates.

Stratton | Grades 3–5

10 Wednesdays | Jan. 19–Mar. 30 | 2:40–3:40 pm | \$195

## Fiber Arts Studio

Molly Atryzek

Join us for a fiber arts exploration! In each session we will practice different crafts including weaving, embroidery, and working with yarn. Turn pom poms into animals or other creations, stitch or draw with thread, and create wall hangings. New and returning students are welcome.

Peirce | Grades 3–5

10 Wednesdays | Jan. 19–Mar. 30 | 2:40–4:10 pm | \$265

## Imaginative Illustration

Sandra Gonzalez, Arlington Center for the Arts

Learn the basic elements of drawing (line, texture, scale, shape) with an emphasis on both observational and imaginative drawing. Create unique works of art based on still-life arrangements enhanced with your imaginative flourishes. We will experiment with values, color, and paint to vary the illustrations week by week to create meaningful art. Themes may include fantasy, sci-fi, nature, and architecture.

Dallin | Grades 3–5

8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:40 pm | \$229



## Jewelry Making

Julie Powers, Arlington Center for the Arts

Using polymer clay and other materials, we'll make our own colorful beads. Design and hand-craft your own bracelets, earrings, necklaces and more. No matter your interests or skill level, you will walk away with newly treasured items.

Gibbs | Grade 6

10 Tuesdays | Jan. 18–Mar. 29 | 3:10–4:10 pm | \$195

Thompson | Grades 4–5

4 Thursdays | Mar. 3–24 | 2:40–3:40 pm | \$79

## Mini Masterpieces

Sarah Moriarty, Arlington Center for the Arts

Come channel your inner Van Gogh or Monet! Looking back at some of the biggest names in art history, we will flex our visual and critical skills by looking deeply at works of art to find meaning and inspiration for producing our own masterpieces. We will delve into movements like *Impressionism*, *Abstract*, and *Surrealism* to spark learning and creative expression.

Thompson | Grades 4–5

5 Thursdays | Jan. 20–Feb. 17 | 2:40–3:40 pm | \$95



**IN-PERSON AT OTTOSON MIDDLE SCHOOL**

**FEBRUARY  
22–25**

**TUESDAY–FRIDAY  
9:00AM – 3:30PM**

**GRADES K–8**

ACE is pleased to offer families a creative, educational, and fun option for February break. Select morning or afternoon classes or combine for a full day of enrichment.

Registration for April break opens in March.

## CLASSES INCLUDE

- ♦ Electronics
- ♦ Robotics
- ♦ Hands-On Science
- ♦ LEGO Challenge
- ♦ Expert Architects
- ♦ Arts & Crafts
- ♦ Nathan's Ninjas
- ♦ Parkour
- ♦ LARP
- ♦ Vegetable Circus



**REGISTER AT ARLINGTONCOMMUNITYED.ORG**



# Fitness

## FunDrumz

Romy Wilhelm

*FunDrumz* is a full-body and brain workout designed to give you a physical, mental, and social experience through basic drumming and movement. We will use exercise balls, buckets, and drum sticks to rock out and jam to our favorite tunes with movement routines that combine cardio, rhythm drumming, and lots of fun!

Hardy | Grades K-2

8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$165

Stratton | Grades K-2

9 Mondays | Jan. 24–Mar. 28 | 2:40–3:40 pm | \$185

## Nathan's Ninjas

Nathan Porter

Known for its fun games and teamwork-oriented environment, *Nathan's Ninjas* is a mix of traditional *Kempo Karate* with elements of sport Karate, tumbling, and grappling. This course will give you a true self-defense perspective, all while having fun and building confidence.

Grades K-5

Stratton | 10 Fridays | Jan. 21–Apr. 1 | \$179

**Session 1:** 2:40–3:40 pm

**Session 2:** 3:45–4:45 pm

Thompson | 8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$145

## Parkour for Balance & Agility

Ages 50+, p. 7



## Parkour

Parkour Generations Boston

Turn any environment into a playground for movement and physical challenge. This course is for students of all ability and fitness levels, and will include instruction in the basic movements and techniques of parkour, as well as exercises designed to improve general fitness and ensure the long-term practice of parkour. Classes will focus on exploring and moving within one's environment and will include a number of games, exercises and drills to improve balance, coordination, strength, spatial awareness, and flexibility while having fun. All classes are taught by ADAPT-certified coaches.

Indoors | 8 Tuesdays | Feb. 1–Mar. 29

Bishop | Grades 3-5 | 1:10–2:10 pm | \$155

AHS | Ages 11-15 | 3:30–5:00 pm | \$195

Gibbs | Ages 7-11 | 6:10–7:10 pm | \$155

Outdoors at Ottoson | 8 Saturdays | Jan. 29–Mar. 26 | \$155

**Ages 6-9** | 10:00–11:00 am

**Ages 8-13** | 11:15 am–12:15 pm

## P.E. Morning Power

Stephen Murphy/Ryan Wholey

*P.E. Morning Power* is designed to get you physically active before school while having fun with friends. Research has shown that exercise improves executive function and concentration. Get your blood pumping and start your day primed to learn.

Peirce | 7:30–8:10 am (Murphy)

**Grades 1-2** | 9 Mondays | Jan. 24–Mar. 28 | \$85

**Grades 3-5** | 10 Wednesdays | Jan. 19–Mar. 30 | \$95

Thompson | 7:30–8:10 am | \$95 (Wholey)

**Grades 1-2** | 10 Tuesdays | Jan. 18–Mar. 29

**Grades 3-5** | 10 Thursdays | Jan. 20–Mar. 31

## Radiant Child® Yoga & Intuitive Art

Carla Leone

This gentle, fun and engaging class weaves stories, songs, and relaxation into the yoga practice. We'll focus on using our breath to unite our minds, bodies, and hearts, which can reduce anxiety and increase calm centeredness. Intuitive Art involves letting go of preconceptions and what art should be, and allowing intuition to guide your art-making process.

**Grades 3-5** | 2:40–3:40 pm | \$169

Hardy | 10 Thursdays | Jan. 20–Mar. 31

Peirce | 10 Fridays | Jan. 21–Apr. 1

## Winter Outdoor Running

Gaggi DeStefanis & Jessica Nguy

Calling all intermediate to advanced running enthusiasts! Embrace the fresh winter air and build fitness in this fun and challenging running program. We will move throughout the entire class with a combination of running and proper dynamic and stagnant stretches, as well as plyometrics and strength circuits to stay strong. Independent running will be encouraged throughout the week to stay fit and on track to meet our goal of running a 5K at the end of the program.

Ottoson | Grades 7-8

M/W/Th for 15 practices | Jan. 31–Mar. 10 | 3:10–4:40 pm | \$195



# Games & Fantasy

## Chess Wizards

### *Chess Wizards*

Considered one of the greatest games ever invented, chess teaches many important life concepts such as how to win graciously, how to accept defeat with dignity, concentration, and sportsmanship. Learn chess rules, positional tactics, and basics to more advanced moves with the guidance of an experienced chess master. We will be divided into groups according to experience, and end the program with a mini chess tournament. All levels welcome.

Grades 1–5

9 weeks | 2:40–3:40 pm | \$209

Bishop | Thursdays | Jan. 27–Mar. 31

Brackett | 8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$185

Dallin | Fridays | Jan. 28–Apr. 1

Hardy | Mondays | Jan. 24–Mar. 28

Peirce | Wednesdays | Jan. 26–Mar. 30

Thompson | Fridays | Jan. 28–Apr. 1

Gibbs | Grade 6

9 Thursdays | Jan. 27–Mar. 31 | 3:10–4:10 pm | \$209

## Family Chess

Ages 6+, p. 25



## LARP Heroes Academy

### *LARP Adventure Program*

Live Action Role Play (LARP) allows you to participate in an interactive narrative, similar to the “choose your own adventure” books using a combination of theater, martial arts, and costume/prop/stage design. We combine these arts with critical thinking, creative problem solving, and community leadership skills. In *LARP Foundations*, beginners learn the basics of LARPing and returning students continue to hone their skills and knowledge. In *LARP Games* students in the *Foundations* class get to practice what they learned earlier in the week. Visit [LARPAventureProgram.com](http://LARPAventureProgram.com) for more info.

### *LARP Foundations*

Ottoson | Grades 7–8

9 Mondays | Jan. 24–Mar. 28 | 3:10–5:10 pm | \$405

Gibbs | Grade 6

10 Tuesdays | Jan. 18–Mar. 29 | 3:10–4:10 pm | \$225

### *LARP Games\**

Ottoson | Grades 7–8

9 Fridays | Jan. 28–Apr. 1 | 3:10–5:10 pm | \$405

\*Prerequisite: Simultaneous enrollment in *Foundations* in LARP

## Dungeons & Dragons Heroes Quests

### *LARP Adventure Program*

Role playing games give players experience with a variety of skills including improvisation, critical thinking, math and public speaking. We will use *Dungeons & Dragons 5th Edition* rules to guide us through the process of creating characters and then testing their might through an interactive story. Everyone will be taught—at a comfortable skill level—how to make characters and serve as dungeon masters.

Ottoson | Grades 7–8

10 Thursdays | Jan. 20–Mar. 31 | 3:10–5:10 pm | \$449

# Languages

## Language Clubs: Spanish, French, Mandarin

### *RoLa Languages*

*ACE Language Clubs* introduce children to foreign languages and cultures as early as kindergarten. Each week we will practice language skills and learn about the history, food, and culture of the countries where that language is spoken. We will reinforce skills through songs, games, crafts, and storytelling, resulting in a fun and challenging learning experience. Instruction is adapted for a variety of levels, making this an excellent introduction for beginners and an opportunity for returning students to expand their proficiency. **Please note:** These clubs are not designed for advanced speakers.

### *Grades K–5*

9 weeks | 2:40–3:40 pm | \$195

### *Spanish Club*

Bishop | Mondays | Jan. 24–Mar. 28

Brackett | Wednesdays | Jan. 26–Mar. 30

Dallin | Thursdays | Jan. 27–Mar. 31

Hardy | Wednesdays | Jan. 26–Mar. 30

Peirce | Thursdays | Jan. 27–Mar. 31

Stratton | 8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$175

Thompson | Mondays | Jan. 24–Mar. 28

### *French Club*

Bishop | Mondays | Jan. 24–Mar. 28

Brackett | Wednesdays | Jan. 26–Mar. 30

Dallin | Thursdays | Jan. 27–Mar. 31

### *Mandarin Club*

Thompson | Mondays | Jan. 24–Mar. 28

Hardy | Wednesdays | Jan. 26–Mar. 30

# Life Skills

## Babysitting Basics

*Va Shon Wallace-Hiltbold, 4-H Youth and Family Development*

The excellent 4-H program gives you the skills and confidence to handle situations you may encounter when caring for young children. At the end of the course you will receive a Babysitter ID card and a certificate of completion.

Ottoson | Ages 12+

4 Thursdays | Feb. 3–Mar. 3 | 3:10–4:45 pm | \$125

## Home Alone Safety

*Frank Oliveri*

Knowing when your child is ready to stay home alone is a difficult decision, and preparation can make the transition much easier for you and your child! *Home Alone Safety* is a readiness program that helps prepare your child while building self-confidence, a sense of responsibility, and proper decision making abilities. This program is a stepping stone for younger grades as they explore and become comfortable with the idea of being home, and for older grades to better understand and gain confidence with being home alone. This course will teach basic safety guidelines through a variety of fun, interactive activities, discussions, and situational role-playing. Guardians are welcome to join.

Online | Grades 3–6

Sunday, Mar. 20 | 4:00–6:00 pm | \$55/family screen

## Business Sharks

*Right Brain Curriculum*

Play the role of young entrepreneurs as we start with the germ of an idea for a business and product and take it through the entire entrepreneurial process. Develop prototypes, formulate a business plan, and devise a marketing strategy. Learn concepts such as competition, profits, and branding while designing print ads, acting out “TV commercials,” researching real estate locations, and designing storefronts. As young executives, you will conclude the program by pitching your ideas “Shark-Tank” style. Let’s take care of business!

Peirce | Grades 3–5

8 Tuesdays | Feb. 1–Mar. 29 | 2:40–4:10 pm | \$225

## Kids Newsroom

*Right Brain Curriculum*

Learn the craft of journalism including investigative writing and research. Each week our classroom transforms into a working newsroom, complete with editorial staff, reporters, columnists, and headline writers. Each of you will play multiple roles and work together to publish your own newspaper with stories about your school and community. We will edit each other’s work, take photographs, and publish our final work.

Brackett | Grades 3–5

8 Mondays | Jan. 31–Mar. 28 | 2:40–4:10 pm | \$225

## Your Voice: Public Speaking

*Right Brain Curriculum*

Have fun writing and delivering speeches in front of a supportive group and begin to develop this lifelong skill. We will write short speeches about subjects that interest us and practice reading them out loud in this low-pressure environment. Focus on skills such as standing up tall, using a loud voice, and making eye contact. Watch famous and not-so-famous public speakers and analyze their deliveries. At the end of the course we will create our own TV news broadcasts with you as the anchors.

Gibbs | Grade 6

8 Thursdays | Jan. 27–Mar. 24 | 3:10–4:40 pm | \$225

## Justice Squad

*Meredith Moore, Kids for Racial Justice*

Do you want to make the world more fair and just? Learn how you can make a difference in your community and beyond. We’ll use children’s literature, play, and the arts to explore important topics related to race, racism, and activism. We’ll then plan and undertake our own action project to address racism, such as making protest art, writing letters and petitions, or raising awareness in the community.

Hardy | Grades 3–5

8 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$175

## Young Activists

*Meredith Moore, Kids for Racial Justice*

Learn how to harness your superpowers to make a difference for people of all races. Working with a team, you will explore a racial justice issue that matters to you, and then plan and carry out action. Actions could include making protest art, writing letters to lawmakers, raising awareness in the community, and much more.

Gibbs | Grade 6

8 Mondays | Jan. 24–Mar. 21 | 3:10–4:40 pm | \$195



## Kids' Test Kitchen

KTK Chef Instructor

Use fresh ingredients in a batch of new recipes that you and your family will look forward to eating time and time again. Working as a team, we'll slice, dice, peel, measure, and cook our dishes including artichokes, winter comfort stew, scratch pasta, nourishing nachos, stuffed peppers, and polenta with fruit salsa. Lessons are planned to celebrate seasonal produce. Leave with the main ingredient or sample of the finished dish and the recipe. We will work around allergies, making sure that everyone is having fun and staying safe.

Stratton | Grades 3–5

10 Thursdays | Jan. 20–Mar. 31 | 2:40–3:40 pm | \$229

## Raising Anti Racist Kids

Four-week parenting workshop, p. 23



## Our Whole Lives

Wendy Conroy

*Our Whole Lives* (OWL) is a comprehensive sexuality education class that equips teens with accurate, age-appropriate information and skills to help them lead sexually healthy, positive and responsible lives. Grounded in a holistic view of sexuality, OWL addresses a wide range of topics including body image, relationships, social media/Internet, sexual orientation, gender identity, sexually transmitted infections, birth control and cultural influences on sexuality. Through engaging activities and discussions, OWL helps teens to clarify their own values and to build their interpersonal skills. *Our Whole Lives* is used nationwide in a variety of community settings including schools, youth-serving agencies and faith-based communities. OWL is completely secular and contains no religious doctrine.

Gibbs | Grades 8–9

16 Thursdays | Jan. 13–May 12 | 6:30–8:30 pm | \$385

**Mandatory Parent Class** | Thursday, Jan. 6 | 6:30–8:00 pm

## Music & Theater

### Actor's Toolbox

Roisin Dowling, Arlington Children's Theatre

In this introductory acting class we will experiment with games, improv, voice, and movement to learn basic acting skills and build confidence, all while having fun. Each class begins with warm-up games followed by acting exercises—ranging from silly to serious—that build focus, confidence, and communication skills.

Dallin | Grades 1–3

7 Tuesdays | Feb. 1–Mar. 29 | 1:10–2:10 pm | \$159

### Drumming for Beginners

Malcolm Jacobs

Learn how to rock out on the drums with this class focusing on foundational skills. Using practice pads, learn how to grip and balance drumsticks and proper technique for playing the snare drum with articulation and overall accuracy. Rhythm and sight reading are other vital skills to master, and we'll have plenty of exercises to practice keeping the beat each week. Enjoy learning how to play a great musical instrument, and have fun doing it!

**Please note:** Bring a drum practice pad and set of sticks to each class, if you have them. These will be available to borrow for those who do not.

Gibbs | Grades 5+

10 Wednesdays | Jan. 19–Mar. 30 | 6:30–7:30 pm | \$179

### Ukulele for Continuing Players

Amy Kucharik

Ukulele is one of the easiest instruments to learn and can give you a lifetime of musical enjoyment. In this class, we'll review the fundamentals such as tuning and simple chords before applying them to strumming several classic and popular songs. We'll also cover some basic music theory and tablature so you can pluck familiar melodies and recognizable riffs. Minimum prerequisites: Students should be comfortable tuning their own ukuleles and playing chords C, G7, Am, F, and G.

Gibbs | Ages 9–13

7 Tuesdays | Jan. 18–Mar. 8 | 5:45–6:45 pm | \$129





# STEM

## Audubon Habitat's Nature Detectives: Wild Winter

Mass Audubon Habitat Naturalist Educators

What's happening outside in the winter? Come learn how different plants and animals have adapted to survive during these cold months. We will look for tracks, signs, and scat as we explore outdoors. Habitat's naturalists will bring in animals, tell stories, and play wild games outside to discover the wonder that winter has to offer.

Brackett | Grades K-2

9 Mondays | Jan. 24-Mar. 28 | 2:40-3:40 pm | \$159

## 3D Printing with BlocksCAD

Einstein's Workshop

Learn how to design awesome 3D objects using *BlocksCAD*, a software program that combines 3D modeling with block-based coding for an easy to use and educational experience. We will print two of your designs on one of Einstein's Workshop's 3D printers.

Thompson | Grades 4-5

8 Tuesdays | Feb. 1-Mar. 29 | 1:10-2:25 pm | \$279

## App Inventors

Circuit Lab

Want to know how the apps work on your phone or iPad? Or do you already have the next great app idea, and just need to know how to make it? In this no-experience-required course, we use MIT App Inventor software to make fun, creative apps for Android phones and tablets. We will also explore wireless communication by building custom bluetooth hardware controllers and readouts for our apps.

Bishop | Grades 3-5

10 Fridays | Jan. 21-Apr. 1 | 2:40-4:10 pm | \$249



## Circuit Makers 101

Circuit Lab

Let's get creative with electricity! Create your own electronics such as light-up greeting cards, electric games, mazes, and even musical instruments. Each class consists of a circuitry lesson and a hands-on electronics project using components like lights, buzzers, switches, motors, and sensors. Most class days will include a project you can take home.

Dallin | Grades K-2

9 Mondays | Jan. 24-Mar. 28 | 2:40-4:10 pm | \$225

## Coding Fun

Liz Ferola

Come join in on some coding fun. In this self-driven and self-paced course we will use *Scratch Jr.*, *Ozobots* and *code.org* to explore coding and programming concepts on iPads. New and returning students are welcome.

Thompson | Grades 1-2

10 Wednesdays | Jan. 19-Mar. 30 | 2:40-3:40 pm | \$165

## Engineering Workshop

Wicked Cool for Kids

As junior engineers, we will be put to the task of building things that go. Explore the engineering and design process to build balloon powered cars, hovercrafts, and magnet powered *JunkBots*. We'll add in some tall towers, catapults, and bridges and a house for a superhero.

Grades K-2 | 2:40-3:40 pm | \$189

Hardy | 6 Fridays | Feb. 18-Apr. 1

Stratton | 6 Wednesdays | Jan. 26-Mar. 9

## Learn to Code: Minecraft Modding

Einstein's Workshop

Come learn to craft diamonds from dirt, smelt up some bedrock, or add your own custom blocks. Modifications—or “Mods”—are one of the coolest things about the Minecraft community. In this class we'll get you started using Java Coding to write your own mods using the Forge API. No programming experience is required.

3:10-4:25 pm | \$349

Gibbs | Grade 6 | 10 Fridays | Jan. 21-Apr. 1

Ottoson | Grades 7-8 | 10 Thursdays | Jan. 20-Mar. 31

## Adventures in STEM with LEGO®

*Play-Well TEKologies*

Let your imagination run wild with tens of thousands of LEGO® parts! Build engineer-designed projects such as snowmobiles, catapults and lighthouses. Design and build as never before, and explore your craziest ideas in a supportive environment.

Grades K-2 | 2:40-4:10 pm | \$259

Brackett | 10 Fridays | Jan. 21-Apr. 1

Pierce | 10 Thursdays | Jan. 20-Mar. 31

## LEGO® Adventures

*Right Brain Curriculum*

Face a new building challenge each week, from skyscrapers to farms, bridges to airports, and space stations to main streets. First, we will review the history of what we are about to build: how the invention of the elevator revolutionized city skylines, how farms in the 1930s survived hordes of grasshoppers and the Dust Bowl, how aeroelasticity explains why the Tacoma bridge nicknamed “Galloping Gertie” collapsed, etc. Next, create a model of each type of structure out of an enormous assortment of Legos. Learning and Legos—it’s a perfect match!

Stratton | Grades 3-5

8 Fridays | Jan. 28-Mar. 25 | 2:40-4:10 pm | \$225

## LEGO® Junior Engineers

*Einstein’s Workshop*

Take Lego robotics to the next level with *WeDo 2.0*. Students will learn how to build simple machines with motorized parts such as winches, pulleys, drive trains and more. Add sensors and program your creations to respond to their environment. Then work together to design a machine to meet the challenge of the day.

Bishop | Grades 1-3

8 Tuesdays | Feb. 1-Mar. 29 | 1:10-2:25 | \$279

## Minecraft Architecture

*Einstein’s Workshop*

Minecraft is more than just a game. It is a creative tool that allows players to create amazing structures, scenes, and works of art. With hundreds of blocks and items we will learn how to engage in constructive play as we design and build our structures. Work in the same world and learn the meaning of good digital citizenship and working together. There is no one theme for this class and you can choose to create from your imagination or use real world reference material for inspiration.

Dallin | Grades 3-5

10 Wednesdays | Jan. 19-Mar. 30 | 2:40-3:55 pm | \$349



## Video Game Design Using Flowlab

*Empow Studios*

Channel your love of video games into building your own. Together with like-minded students, you will design simple video games step-by-step, experimenting with specific tasks and movements, and sharing gameplay with your peers, while learning important STEM concepts of design, problem solving, and trial/error. Learn to use the accessible game design program *Flowlab*—no coding required—a platform used by many professional game designers to prototype new builds. Games will be stored online, so you can access from home.

Grades 3-5 | 2:40-4:10 pm

Brackett | 10 Thursdays | Jan. 20-Mar. 31 | \$419

Peirce | 9 Mondays | Jan. 24-Mar. 28 | \$379

## Young Inventors Squad

*Einstein’s Workshop*

This is your chance to build and re-engineer components of everyday objects and recycled materials into your own cool gadgets! We will engage in guided challenges to develop a working knowledge of physics concepts and engineering skills by making science gadgets to take home.

Grades K-2 | 2:40-3:55 pm

Bishop | 10 Fridays | Jan. 21-Apr. 1 | \$349

Peirce | 9 Mondays | Jan. 24-Mar. 28 | \$315

## Donate to Learning!

Please give to our scholarship fund to help make classes accessible to all.

