

# WILLOWWIND

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SUMMER PROGRAM

# Choose Willowwind this summer...

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Dear Willowwind Friends-

We are pleased to present Willowwind's 2017 Summer Program, "Connect. Collaborate. Think Critically." In this brochure you will find some old favorites as well as a number of new engaging classes. Collaborative programming with the Iowa City STEAM Room Fab Lab and the Iowa Youth Writing Project, and new 6-8th grade classes are two new enhancements you can look forward to this year. Be sure to look for these organizations' logos throughout the brochure to know which classes will include this collaborative programming: STEAM Room Fab Lab  and Iowa Youth Writing Project .

Offering brand new 6-8th grade programming is another new component of the 2017 Summer Program. Classes are highlighted on page 14, and include Projectile Motion, Superhero Physics, Architecture, and Industrial Technology. Students will have opportunities to collaborate, problem solve, and develop confidence, persistence, and a love of learning as they create woodworking projects, build architectural structures, apply their math skills by building catapults, and understand the science behind their favorite superheroes' powers.

Unique learning experiences, small multi-age classrooms, experienced educators, and a culture of caring are characteristics that set Willowwind apart from other programs. Our summer classes engage students in exciting, hands-on, experiential learning. Classes are organized in five multi-age groups: preschool (ages 3-5), kindergarten, 1-2nd grade, 3-6th, and 6-8th. Class sizes of 10-16 students ensure each child gets individual attention and is able to take an active role in the classroom.

Willowwind's summer faculty are experienced educators and artists, or specialists in their field. Most of our summer teachers return year after year and many are current Willowwind staff. We are delighted by the excellence of our summer faculty and their commitment to your child's education. Finally, Willowwind's safe, caring environment provides students with the opportunity to grow and learn socially, emotionally, and academically.

We look forward to seeing you and your child in the coming months as we Connect, Collaborate and Think Critically together!

Sincerely,  
Willowwind Staff

**...for an adventure**  
**...to meet new friends**  
**...to learn something exciting**

# Camp Registration and Policies

To secure your space in a class, you must pay half of the total tuition (including the registration fee and any optional B/ASP fees) at the time of registration. Any remaining tuition will be billed in equal monthly installments on the first of each month throughout the spring (see specific billing dates online when you register). If payment is not made in full by the time the payment plan is complete, we reserve the right to cancel your registration. We process all registrations in the order in which they are received. We accept registrations as long as there is space available. We do not offer prorated tuition for absences or late starts. We cannot accommodate drop-ins.

For each student there is a once per summer 2017 non-refundable registration fee. **The registration fee is \$10 per student for online registration and \$30 per student for paper registration.**

## HOW TO REGISTER

Registration for summer classes begins on January 9th. Families can register online using the links below.

**Families new to camp:** visit <https://willowwind.campmanagement.com/enroll>

**Returning families:** visit <https://willowwind.campmanagement.com/campers>

These registration links are also available on our school's website at [www.willowwind.org/summer-program/](http://www.willowwind.org/summer-program/). Questions? Call 319-338-6061 or email [info@willowwind.org](mailto:info@willowwind.org).

## WHO CAN REGISTER

Public, private, and home schooled students in preschool through Grade 8. For preschool programs, students must be toilet-trained and at least three years old. Willowwind School provides equal opportunity to participate in programs and does not discriminate by gender, sexual orientation, gender identity, marital status, socioeconomic status, disability, race, national origin, color, religion, or creed.

## CLASS CONFIRMATION

Online registrants will receive an email confirmation within two business days of registration. Within two weeks of your paper registration, we will send confirmation of your payment and your spot in class. Closer to the start date of the class, we will send a more detailed email confirming class dates and times, location, and other general information. Thank you for choosing Willowwind Summer Programs!

Willowwind is **connecting & collaborating** with the following local groups to bring you exceptional classes this summer.

Look for their logos in the class descriptions.

**Iowa Youth Writing Project**



**STEAM Room**



# Class Cancellation Policies

## Guess what!

Our class sizes range from 10-16 students so each child receives individual attention, and has an opportunity to participate to the fullest extent.



**All class cancellations must be processed by Willowwind staff, even if registration was processed online.**

1. If you cancel your registration at least four weeks before the class begins, we will refund tuition, less a \$50 cancellation fee **per class**.
2. If you cancel your registration less than four weeks before the class starts, no refund will be given. Any tuition paid for the cancelled class, minus the \$50 cancellation fee, becomes a credit, which you may use toward another Willowwind 2017 Summer Program class. Any difference in cost from the new class will not be refunded.
3. No credit or refund is given to any cancellations occurring within two business days of the start date of the class.
4. If tuition has not been paid in full by the time the monthly payment plan is complete, and no action to cancel has been taken, no refund or class credit will be issued and the registration will be terminated.
5. Cancellation by Willowwind: We reserve the right to cancel a class if enrollment is insufficient. Any tuition paid will be refunded in full.
6. We want all students to be satisfied with their experiences at Willowwind School. If after attending the first day of class, you decide that you do not want to continue, let us know **before the second class** and your tuition will become a credit, which you may use toward another available space in a Summer 2017 class. In this case, B/ASP fees are non-refundable and will not be credited. After the second day of class, we will not make any tuition or enrollment adjustments.

## ATTENDANCE

We expect students to attend every day of the classes in which they enroll, except in the case of illness or emergency. If a student does miss class, regardless of the reason, tuition will not be prorated and refunds will not be issued.

## BEHAVIOR

All students have the right to learn in a safe classroom that is free from excessive distraction. When a child's behavior becomes a problem, the faculty and staff use a number of strategies beginning with re-teaching, reinforcing, and acknowledging appropriate behavior, and moving on to redirecting an individual student. If a child is unable to correct behavior or is unresponsive to teacher interventions, Willowwind reserves the right to excuse the child from summer programs and provide parents with suggestions for other summer program placement. Refunds will not be made for current camp class days not attended due to dismissal. Should the child be registered for future camps, we will refund for tuition fees paid at time of dismissal.

# Before and After Camp Care Policies

Our supervised and educational Before-and After-Summer Programs are engaging for children and make pick up and drop off more convenient for families.

**BSP:** 7:30am-8:30am \$35/week      **ASP:** 3:30pm-6:00pm \$80/week

1. We offer before and after care for campers. The Before Summer Program (BSP) is from 7:30am-8:30am and is \$35/week; the After Summer Program (ASP) is from 3:30pm-6:00pm and is \$80/week. Registration for B/ASP occurs with class registration.
2. If you cancel your registration in B/ASP at least four weeks before the start date of the program, we will refund B/ASP fees.
3. If you cancel your registration in B/ASP less than four weeks before the start date of the program, no refund will be given. Any fees paid for B/ASP become a credit, which you may use toward another Willowwind summer class during Summer 2017.
4. No credit or refund is given to any B/ASP cancellations occurring within two business days of the start date of the program.
5. If B/ASP fees have not been paid in full by the time the monthly payment plan is complete, and no action to cancel has been taken, no refund or class credit will be issued and the child's registration in B/ASP will be terminated.
6. If a student misses Before or After Summer Care, is picked up early, or dropped off late, fees will not be prorated.
7. **We can only accommodate drop-ins with *prior notice*** at a rate of \$20 per day for the After Summer Program and \$10 per day for the Before Summer Program. **Please be sure to call the office at 319-338-6061 prior to dropping in.**

## LUNCH SUPERVISION

Lunch supervision from 11:30-12:30pm is free for K-6th grade campers when the child is registered for both morning and afternoon classes.

Lunch supervision may be purchased for \$40 per week for campers signed up for half day camps only. No prorating available.



## Did you know?!

In addition to our Summer Program, Willowwind also offers a wide variety of after school enrichment classes and clubs throughout the year. Just like camp, these offerings are open to all Iowa City area preschool through sixth grade learners. Visit our website to learn more about enrichment.

[www.willowwind.org/enrichment](http://www.willowwind.org/enrichment)

UPCOMING SPRING 2017 CLASSES INCLUDE:

- » Lego League
- » Chess Club
- » Junior Kindergarten
- » Astronomy
- » Magical Potions
- » Creative Writing and Publishing
- » Art Film



# PRESCHOOL

FULL DAY CLASSES

8:30<sup>AM</sup> - 3:30<sup>PM</sup>

June 5-9

## MUSIC MAKERS \$225

Music lovers won't want to miss this week! Participate in dance games, play musical chairs, and learn about the instrument families. Enjoy visits from musical guests as you explore different kinds of music. Students will create their own music and develop beat keeping, ensemble playing, and rhythmic skills.

June 12-16

## ART CREATIONS \$225

Explore the fundamentals of art: shape, line, color, and space. Express your creativity with paint, crayons, mosaics, and more. Students will apply principles of design and other art structures, and understand art through history and culture by learning about famous artists.

June 19-23

## FITNESS FUN \$225

Stay fit in this high energy, interactive class. Play with different sports balls, jump ropes, cones, and more! Students will develop motor skills and movement patterns by engaging in a variety of sports, obstacle courses, and active games to get their bodies moving.

June 26-30

## KIDS IN THE KITCHEN \$225

Mix, shake, blend, and bake. Put on your apron and stir up a tasty treat as we explore the kitchen. Taste new foods and learn to make old favorites.

July 3-7\*

## STARS AND STRIPES \$180

Celebrate Independence Day with classic American traditions. Play baseball, make an apple pie, and create crafts with red, white, and blue. Learn about amazing sites in the USA, their significance to our society and culture, and what makes them special.

\*No class on July 4th.



July 10-14

**CAMPING ADVENTURES** \$225

Have you ever wondered what it would be like to go camping? Explore the great outdoors in a whole new way by learning how to make camping food, identify bugs and plants, and hike around Willowwind's campus in this week of adventurous fun.

July 17-21

**SEA LIFE** \$225

Travel to imaginary beaches to build sandcastles, search for seashells, learn about waves, and discover the animals that live in the ocean and on the shore. Learn how to care for our oceans and these important ocean creatures.

July 24-28

**LANDSCAPES AND CLIMATES** \$225

Travel the globe as you explore the towering trees of the jungle, the tall grasses of the prairie, and the animals that live in the extreme temperatures of the desert and the arctic! Learn about weather patterns for each climate and how they affect us, and about the animals that call these landscapes home.

July 31-August 4

**STARS, PLANETS, AND SPACE** \$225

What happens when the sun goes down? Blast off into outer space to see planets, stars, and moons. When you return to Earth, learn about the animals who love the dark of night.

## Curious about Preschool at Willowwind?

The goal of Willowwind's Montessori program is to teach the child as a whole, equally guiding the physical, social, emotional, and intellectual growth of each child. Through the prepared environment, calmness of the teacher, and attention to grace and courtesy, we strive to offer an educational experience based upon the teachings of Maria Montessori. We offer both full-time and part-time options for preschool learners.

Certified teachers lead students in the following core Montessori curricular areas of practical life, sensorial, mathematics, language, cultural, and humanities. Preschool students are also provided instruction in art, music, and Spanish.

**Full-time Preschool**

Monday-Friday, 8:30 a.m. to 3:30 p.m

**Part-time Preschool**

Monday-Friday, 8:30 a.m. to 11:30 a.m.

We encourage families to stop by to investigate, explore, and enjoy the spirit of learning that takes place at Willowwind's Montessori Preschool!

To schedule a tour, email [info@willowwind.org](mailto:info@willowwind.org).

Limited financial aid opportunities are available for preschool families.



# KINDERGARTEN

MORNING CLASSES 8:30-11:30AM

AFTERNOON CLASSES 12:30-3:30PM

June 5-9

**FITNESS FRENZY** \$155

Students will stay active by hiking, playing, and gaming during this week of camp. Kindergarteners will develop motor skills and movement patterns by engaging in a variety of sports, obstacle courses, and more to get their bodies moving. Apply this knowledge to learn about the importance of physical exercise and maintaining a healthy lifestyle.

**COOKING UP A STORY** \$155

Ever read a story describing a perfect pie or a sumptuous stew and wish you could make it yourself? We will let children's literature inspire us in the kitchen and take us on our own cooking and baking adventures.

June 12-16

**LITTLE ENGINEERS** \$155

Engineer your way through literature as you learn about the science behind beloved children's classics, such as the *Three Little Pigs*, *Goldilocks and the Three Bears*, and *Humpty Dumpty*. Hypothesize, problem solve, test, and create structures that can withstand the big bad wolf huffing and puffing, protect an egg as it topples to the ground, and more as you engage in hands-on experiments!

**FARM TO TABLE** \$155

Learn how to care for the garden and ourselves! Students will learn what a garden is, the different kinds of plants it can grow, and how to care for it by working in Willowwind's garden. Then listen to guest speakers or go off campus to learn how that garden food makes its way to stores, restaurants, and into the refrigerator at home. Harvest plants and create your own meals out of fresh garden food.

June 19-23

**TO INFINITY AND BEYOND!** \$155

Blast off into outer space to learn about the galaxy, stars, solar system, and meteors! Develop an understanding of daily and seasonal weather conditions, seasons of the year, and other patterns affected by space. Engage in crafts, games, stories, and other hands-on activities to learn all about what goes on in the world above us.

**PALEONTOLOGY** \$155

What did the earth look like over 65 million years ago? What do we know about the dinosaurs that roamed the earth and what caused their extinction? Examine these questions as you learn about the prehistoric creatures of land, water and air.

June 26-30

**WORLD MUSIC** \$155

Get your passports ready to explore the rhythms of the world! Travel the globe as we learn about the music and instruments of other countries, play games, create instruments, and move our bodies to the beat with cultural dances. Develop rhythmic and ensemble playing skills in addition to developing cultural awareness.

**MAKER'S SPACE** \$155

Create a new use for every day items as you engineer structures such as towers, airplanes, and houses! Use higher order thinking to problem solve and complete challenges using a wide range of materials. All you need is your imagination and anything is possible!

July 3-7 (NO CLASS 7/4)

**PAPER MÂCHÉ CREATIONS** \$125

Engage in a week of fun and messy art projects using paper mâché! Create a number of projects including piñatas, sculptures, puppets, and masks in this hands-on class.

**OOEY GOOEY SCIENCE** \$125

Learn about physical and chemical reactions through engaging and messy science experiments! Create concoctions such as an exploding volcano, exploding chalk, flubber, sticky sand dough, slime, and bouncy balls! But what happens to make the volcano explode? How do the ingredients work together to make sticky sand dough? Explore the *why* behind these fun experiments as students enter the science laboratory.

July 10-14

**SPANISH** \$155

Explore the Spanish language through games, songs, and crafts! Make tasty treats, sing, dance, and practice our new Spanish vocabulary as we enjoy our time learning and playing together. Greetings, animals, seasons, and sports are among the topics that will be covered. A perfect class for the beginning Spanish speaker.

**OUTDOOR ADVENTURES** \$155

Explore the great outdoors in a series of walking field trips to nearby parks, and go on scavenger hunts for plants, animals, and other natural objects. Develop an understanding of living things, their basic needs, and how they interact with each other and the physical environment. What wonderful adventures are waiting right in our backyard?

July 17-21

**GET READY FOR KINDERGARTEN \$550 (TWO WEEK CLASS)**

Explore your brand new world of kindergarten! Students entering kindergarten in the fall of 2017 are invited to participate in this full day, **two-week course** that will focus on skills for success in their new classroom environment. With literacy, math, science, movement, and social skills featured, children are sure to build confidence about their new learning adventure. This class reflects an actual school day at Willowwind with time for specials classes. Academic and interpersonal skills instruction will be specialized for children making the big transition from self-directed preschool experiences to teacher-led kindergarten work.

July 24-28



GET READY FOR



KINDERGARTEN WEEK 2

July 31-August 4

**THE GREAT IOWA CITY RACE \$310 (COMBINED K-6, FULL DAY CLASS 8:30PM-3:30PM)**

Collaborate, navigate, and orienteer your way through Iowa City on this **full day** urban adventure! Break up into teams and be presented with a challenge at the beginning of each day. Working together, each team must research and find a way to get to the mystery destination before anyone else. Students will spend the day at their destination once they find it, and ultimately gain independence as they navigate their way through the sites of the greater Iowa City area.

# Curious about K-6 academics at Willowwind?

Academic excellence is not simply a destination but a journey we undertake. It lives and breathes in Willowwind's mission, in the meaningful work of its students, in rigorous challenges and connections between what they learn and how they live, and in a shared commitment to the growth of each individual student. Willowwind cultivates an environment where students excel. Research-based and best-practice curriculums are designed to ignite students' interests and passions while challenging the abilities in every student.

Beyond a solid academic program, Willowwind also provides a social curriculum that emphasizes students' respect and appreciation in themselves, others, and the natural world. Students are encouraged to think like global citizens. This provides students with a sense of belonging, a climate of trust, and a joyful merging of social, emotional, and intellectual development. Willowwind has a strong commitment to developing positive individuals by creating purposeful opportunities for students to act upon their desire to grow as respectful citizens in the local community and beyond.



Contact us about setting up a tour by emailing [info@willowwind.org](mailto:info@willowwind.org).

Sliding scale tuition and financial aid opportunities are available.

# FIRST & SECOND GRADES

	MORNING CLASSES 8:30-11:30AM	AFTERNOON CLASSES 12:30-3:30PM
June 5-9	<p><b>CODING 101</b> \$165 (\$140 with own device) Have you ever played a computer game and wondered how it works? Collaborate, problem solve, and communicate as you learn basic coding skills to complete various challenges through team building activities as well as using the computer.</p>	<p><b>CLAY CREATIONS</b> \$155 We'll use our hands to create works of art and then fire them in Willowwind's on-site kiln. Students will learn pottery and sculpture techniques, and examine art in relation to history and culture in this hands-on class.</p>
	<p><b>MATH MYSTERIES</b> \$155 Mysteries are popping up all over and we need your help to solve them! Using logic, reasoning, and whole number operations, we will work together to solve historical and modern day mysteries.</p>	<p><b>FIBER ARTS</b> \$155 Learn how to sew! Use recycled fabric, buttons, and other materials to design and create your own projects, such as sewing stuffed creatures, pillows, tie dying, and other works of art.</p>
June 12-16	<p><b>COOKING AROUND THE WORLD</b> \$155 Put on your chef hats and get ready to take your taste buds on a trip around the world! Beginning in the US, students will travel to Italy, France, Asia, and South America, and learn how to cook delicacies such as gnocchi, gelato, and fruit galette.</p>	<p><b>CREATIVE DRAMA</b> \$155 Construct a short play from the ground up through fun and creative theater games. From set construction, props, and costume creation to memorizing lines, students will learn what it takes to put on a play in five days!</p>
	<p><b>MARINE BIOLOGY</b> \$155 Dive into the waters of the Atlantic and Pacific to learn about the creatures that call the ocean home. Explore the science behind oceans, such as waves and currents, and why this ecosystem is so important to human life!</p>	<p><b>BUST THE MYTH!</b> \$155 Do every day objects such as cell phones or light switches have more germs than a toilet seat? Why do pop rocks and soda combined explode? Are pirate eye patches used for fashion or do they serve a practical purpose? Based on the hit TV show "Mythbusters", students will use the scientific method to test whether popular legends, rumors, and myths are actually true.</p>
June 19-23	<p><b>LITTLE ENGINEERS</b> \$155 Engineer your way through literature as you learn about the science behind beloved children's classics, such as the <i>Three Little Pigs</i>, <i>Goldilocks and the Three Bears</i>, and <i>Humpty Dumpty</i>. Hypothesize, problem solve, test, and create structures that can withstand the big bad wolf huffing and puffing or protect an egg as it topples to the ground as you engage in hands-on experiments!</p>	<p><b>ELECTRICAL CIRCUITS</b> \$155 How is a lightbulb powered? What goes on 'behind the scenes' to make a doorbell ring? Discover this and more as students learn about and design their own circuits. Learn about the power and energy needed to make circuits work. Engage in teacher guided projects and projects of your choice!</p>
	<p><b>TRAILS AND CREEKS</b> \$160 Discover the beauty of the parks and prairies in our surrounding area by exploring its trails and creeks. You'll learn about the trees, plants, and creatures, and their significance to the environment as you explore the great outdoors. (Transportation costs included)</p>	<p><b>3D DESIGN</b> \$155  Have you ever imagined creating your own objects and tools, such as a spoon, whistle, or a wrench? Now is your chance to do so in our 3D design class! Create 3D designs out of materials such as polymer clay and paper mâché. End the week by printing your own 3D object using a 3D printer.</p>
June 26-30	<p><b>LITTLE BITS</b> \$155 Create a fan to stay cool, a crane that picks up rubber bands off the floor, and a flute that blows bubbles in this hands-on class! Using LittleBits modular electronics, build circuits to make teacher guided projects, and projects of your choice.</p>	<p><b>DRUM BEATS</b> \$155 Explore the rhythms of the world! Learn about the instruments and music from different cultures through drumming ensemble music. Learn to play giant Remo world drums, and move your body to the beat with cultural dances. Develop rhythmic and ensemble playing skills in addition to developing cultural awareness.</p>
	<p><b>LEGO® CREATIONS</b> \$155 Build a device to prevent tigers from escaping, a sturdy house able to withstand the weight of a textbook, or a device that can catch objects! Use higher order thinking to problem solve and complete challenges with LEGO® bricks as you construct buildings, cars, and other structures throughout the week.</p>	<p><b>CITY BUILDING</b> \$155 Learn how engineers construct bridges, skyscrapers, and tunnels to withstand environmental forces, extreme weight, and wear and tear over time. Then work together and use your knowledge of arcs, beams, columns, and cables to construct your own structures and build your very own class city! Hypothesize, build, test, and revise as you engage in this week of interactive, collaborative, engineering fun!</p>

MORNING CLASSES 8:30-11:30AM		AFTERNOON CLASSES 12:30-3:30PM	
July 3-7 (NO CLASS 7/4)	<b>SCIENCE OF FLIGHT</b> \$125 Flying isn't only for the birds. Learn the principles of flight and aerodynamics by designing, testing, and re-engineering kites, airplanes, simple rockets, parachutes, and other flying devices.	<b>MIXED MEDIA MADNESS</b> \$125 Create soft sculptures out of fabric, packing peanuts, cardboard, and other materials. In this class students will make art out of fiber, recycled materials, different types of paint, and pursue and develop their own art.	
	<b>A VISIT TO MEXICO</b> \$125 Travel south of the border to experience the culture of Mexico! Learn arts, crafts, and songs, and try foods from Mexico each day as we practice our Spanish language skills.	<b>MAKER'S LAB</b> \$125 From making bubbles with dry ice and exploring magnetism, to making a bulb light up using cardboard, washers, and pennies, students will explore a new science-based theme each day.	
July 10-14	<b>MATH AND READING CHALLENGE</b> \$420 (3 WEEK CLASS) This <b>three-week course</b> is the perfect class to refresh your skills before school starts. This class focuses on individualized math and reading instruction. Taught by licensed teachers, it includes student book groups, strategic math and reading lessons, small group discussion practice, as well as a review of math concepts and innovative problem solving.	<b>DR. SEUSS</b> \$155 <i>Green Eggs and Ham, Horton Hears a Who, Fox in Socks, and The Cat in the Hat!</i> Enter the world of beloved children's author Dr. Seuss as you read and understand his work. Then use your imagination to create amazing "thinks" as you write your own poems and short stories filled with magical characters, thingamabobs, tongue twisters, and adventures!	
	<b>ASTRONOMY</b> \$155 Blast off into outer space to learn about the galaxy, stars, solar system, and meteors! Develop an understanding and apply knowledge of daily and seasonal weather conditions, seasons of the year, and other patterns affected by space. Engage in hands-on activities to learn all about what goes on in the world above us.	<b>BUG'S LIFE</b> \$155 Insects, plants, and bugs, oh my! What do bugs eat? Where do they live? How do they survive? Why are they important to us? Dive deep into this science-based class as you learn about the bugs and insects of the natural world through engaging projects and discovery.	
July 17-21	<hr/> <b>MATH AND READING CHALLENGE WEEK 2</b> <hr/>	<b>AMAZING ANIMALS</b> \$155 Explore the animal kingdom through art, science, writing, and games. One day we might befriend lions in the Serengeti and the next we might learn the ways of the mysterious giant squid. Either way we'll be sure to end up with a marvelous zoological story.	
	<b>ARTIST'S STUDIO</b> \$155 Paint, cut, and color your own masterpieces using oil pastels, water colors, tempera paints, colored pencils, and chalk! Learn about famous artists, and examine art in relation to history and culture as students create personalized pieces of art.	<b>OOEY GOOEY SCIENCE</b> \$155 Learn about physical and chemical reactions through engaging and messy science experiments! Create an exploding volcano out of baking soda and vinegar, make exploding chalk, flubber, sticky sand dough, slime, bouncy balls and much, much more! Explore the <i>why</i> behind these fun experiments as students enter the science laboratory.	
July 24-28	<hr/> <b>MATH AND READING CHALLENGE WEEK 3</b> <hr/>	<b>MAGNETISM</b> \$155 From hanging pictures on the refrigerator to compasses and electricity, magnets are everywhere. But what exactly are magnets and what does it mean for them to attract and repel? What is this invisible thing we call the "magnetic field"? Answer these questions and more as students engage in magnetizing experiments!	
	<b>SCULPTURE BUILDING</b> \$155 Unleash your inner Donatello or Michelangelo as you understand and apply media to create three-dimensional artistic creations with recycled objects. Create recycled robots, plastic bottle sculptures, poster tube vases, shoebox towers, and more!	<b>MONEY CENTS</b> \$155 Work within a budget as you complete a real-world project. Utilize math, science, logic, and reasoning skills as you learn how to budget appropriately to make the most efficient use of your resources. Learn the common 'cents' that goes into smart money management.	
July 31-August 4	<b>THE GREAT IOWA CITY RACE</b> \$310 (COMBINED K-6, FULL DAY CLASS 8:30AM-3:30PM) Collaborate, navigate, and orienteer your way through Iowa City on this <b>full day</b> urban adventure! Break up into teams and be presented with a challenge at the beginning of each day. Working together, each team must research and find a way to get to the mystery destination before anyone else. Students will spend the day at their destination once they find it, and ultimately gain independence as they navigate their way through the sites of the greater Iowa City area.		

# THIRD-SIXTH GRADES

	MORNING CLASSES 8:30-11:30AM	AFTERNOON CLASSES 12:30-3:30PM
June 5-9	<p><b>COMPUTER PROGRAMMING</b> \$320* (TWO WEEK CLASS) Ever played a computer game and wondered how it works? Learn the basics of a visual based programming language! Delve into important programming concepts using loops, events, conditionals, and functions to solve puzzles and create designs, interactive stories, and games like Flappy Bird that you can share with others. This class can be differentiated for both the novice and more experienced programmer who wants to better understand programming logic and concepts. *(\$295 with own device)</p>	<p><b>SCRATCH PROGRAMMING</b> \$320* (TWO WEEK CLASS) Join us for 2 weeks of creativity, problem solving, and collaboration as you learn to use a hugely popular programming language. Develop your Scratching skills and create exciting online projects to share with others. This class is open to novices as well as to students who have previous programming experience, however, a little bit of background in programming is helpful. This class pairs nicely with Computer Programming. Students will be asked to create a free Scratch account prior to the beginning of class – directions for doing so will be provided. *(\$295 with own device)</p>
	<p><b>ARCHITECTURE</b> \$155 Put on your design hat and become an architect for a week! Learn what architects do, work with a local architect, and go on field trips to examine the different kinds of architecture right here in Iowa City! Then use your newfound knowledge to create and design your own model building, and oversee its construction from beginning to end.</p>	<p><b>ALTERNATIVE ENERGY</b> \$155 What will transportation look like when there is no more fuel left in the world? How can we reduce the amount of fossil fuels emitted into the air? Understand the essentials communities need in order to function, and the impact our current energy usage is having on our planet. Then spend the week creating your own community of the future that relies on alternative energy to survive while also taking care of the earth.</p>
June 12-16	<p>———— <b>COMPUTER PROGRAMMING WEEK 2</b> ————</p>	<p>———— <b>SCRATCH PROGRAMMING WEEK 2</b> ————</p>
	<p><b>EXPLOSIVE SCIENCE</b> \$155 Study chemical and physical reactions through explosive experiments! Make exploding pillows, examine the mysteries of Mentos fountains and experiment with different kinds of rockets in this exciting yet SAFE class.</p>	<p><b>LEGO® BUILDING WORKSHOP</b> \$165 Do you love to create with LEGO® bricks? Join us for a week of great LEGO®-based science, technology, engineering, and math. Program LEGO® Field Robotics kits to make sounds, create a vehicle, respond to sensors, and more as you build, engineer, and solve challenges. (This class repeats July 17-21.)</p>
June 19-23	<p><b>WEB DESIGN</b> \$165 (\$140 with own device) Have you ever been to a website and wondered how it was made? After learning about internet safety, students will spend the week researching a topic of their choice and creating a website on their topic. Adding information and pictures to web pages, and including links to documents and other web resources are among the topics that will be covered in this 21st century class.</p>	<p><b>PODCAST MAKING</b> \$165 (\$140 with own device) Podcasts are becoming a growing trend that young people turn to to be entertained, informed, or educated. Now is the time to learn how to make your own! Held in collaboration with the Iowa Youth Writing Project, spend the week writing, editing, and recording your own podcast. Use your imagination as you choose to write a story, inform others about current events, or how to complete a specific task!</p> 
	<p><b>PHYSICS OF SOUND</b> \$155 Carrot whistles, PVC pipe xylophones and flutes! What makes pitches sound high and low? How do instruments sound different from one another? Engage in hands-on, interactive projects as you use your knowledge of sound science to build and create life-like instruments out of PVC pipe and vegetables!</p>	<p><b>FILM</b> \$155 Ever wonder what it would be like to film and edit your own short movie? Students will learn the characteristics of quality movie making and put those skills to the test as they write a script, film, and edit a short movie in this 21st century technology class. An electronic device that has iMovie and can record video is required for this course.</p>

We have **connected** and **collaborated** with local groups to bring you another summer of exceptional classes.

	MORNING CLASSES 8:30-11:30AM	AFTERNOON CLASSES 12:30-3:30PM
June 26-30	<p><b>MUSIC PRODUCTION</b> \$165 (\$140 with own device) How do your favorite artists produce records and what goes on behind the scenes to release a radio hit? Explore the world of music production as you write, mix, layer, and edit your own soundtracks. Add electronic tracks like drums and beats to your own music. Finish the week with your own music release by taking home a copy of your produced work.</p>	<p><b>CREATIVE COOKING</b> \$155 Learn how to make yummy snacks, and plan and prepare healthy meals. Gain an understanding of healthy eating, and then turn your favorite snacks and meals into more nutritious options through alternative ingredients. You'll learn basic techniques for preparing cold foods, stovetop meals, and baking. Please note: recipes may contain eggs, dairy, and gluten.</p>
	<p><b>MYTHS AND LEGENDS</b> \$155 Do cell phones or light switches have more germs than a toilet seat? Do pop rocks and soda combined explode? Do you stay drier by running or walking in the rain? Can Cola actually clean rust and pennies? Based on the hit TV show "Mythbusters", students will use the scientific method to test whether popular legends, rumors, and myths are actually true.</p>	<p><b>STRUCTURAL ENGINEERING</b> \$155 Learn how engineers construct bridges, skyscrapers, and tunnels to withstand environmental forces, extreme weight, and wear and tear over time. Then use your knowledge of arcs, beams, columns, and cables to build your own structures that can withstand various outside forces. Hypothesize, build, test, and revise as you engage in this week of interactive, collaborative, engineering fun!</p>
July 3-7 (NO CLASS 7/4)	<p><b>PROJECTILE MOTION</b> \$125 How far will an object travel if it is launched in the air? What can we change to affect how it moves to hit a target? Learn the science behind projectile motion as you build catapults, slingshots, trebuchets, and other launching machines to make objects fly through the air to hit various targets. This week of science and math will be full of engineering, scientific testing, and discovery!</p>	<p><b>OPTICAL ILLUSIONS</b> \$125 It's all about perspective in this mind boggling class. Learn what optical illusions are and the science behind how they work. Then use your knowledge of perspective to take part in and create your own optical illusions through paper, pictures, and video! <b>iPad, iPhone, or camera required for this course.</b></p>
	<p><b>BATTERIES AND CIRCUITS</b> \$125 Create a fan to stay cool in the summer, a crane that picks up rubber bands off the floor, a flute that blows bubbles, and fruit batteries! Using LittleBits modular electronics, build circuits to make teacher guided projects, and projects of your choice throughout this exciting week of camp!</p>	<p><b>CHESS</b> \$125 Discover the movements of knights, bishops, queens, and kings as they travel across the board. We'll learn game set-up, rules, and strategies of this time-honored game. Beginners will learn how to play the game while experienced players will put their strategic and problem solving skills to the test by learning more advanced playing techniques.</p>
July 10-14	<p><b>OUTDOOR SURVIVAL</b> \$155 How would you survive if you were stranded on a deserted island with no water and food? Learn how to build shelters, gather and preserve food, and complete survival challenges in various environmental scenarios.</p>	<p><b>COMICS AND ZINES</b> \$155 Work with the Iowa Youth Writing Project as you channel your favorite character to create your own comic book and/or zine. Students will develop their literacy and artistic skills by creating a finished book to take home at the end of the week. </p>
	<p><b>VIDEO BLOGGING</b>, \$165 (\$140 with own device)  Create your own video blog series! After gaining an understanding about what video blogging is, spend the week writing, recording, editing, and publishing your very own vlog! Campers will use their phones, iPads, or cameras to create their own short video, which will be published on Willowwind's private YouTube channel! Please note that parents need to accept the media permissions for their child to participate in this class.</p>	<p><b>TEXTILE.D.</b> \$155 Combine your love of science and textiles by learning how to sew with circuitry! Use recycled fabric, buttons, and other materials to design and create your own projects, such as sewing stuffed creatures, pillows, tie dying, and other works of art. Then add your own flair by incorporating circuits and lights to make your projects glow, blink, illuminate, and more!</p>

Iowa Youth Writing Project

STEAM Room



# THIRD-SIXTH GRADES CONTINUED

	MORNING CLASSES 8:30-11:30AM	AFTERNOON CLASSES 12:30-3:30PM
July 17-21	<p><b>MATH ACADEMY</b> \$300 (TWO WEEK CLASS) Refresh your math skills and get ready for the incoming school year in this <b>two-week</b>, math intensive course. Taught by licensed teachers, this class includes strategic math lessons and innovative problem solving. Spend the first part of class reviewing concepts from the previous school year. After review, students will be introduced to new math concepts they may encounter in the upcoming school year. Please note that math curriculum may vary from school to school.</p>	<p><b>3D ANIMATION</b> \$165 (\$140 with own device) Enter the world of 3D animation as you study the work of Pixar and Disney to understand how they create some of children’s most beloved movie characters. Learn what animation is, and then have the opportunity to create your own 3D characters and bring them to life using Sculptris animation software.</p>
	<p><b>LEGO® BUILDING WORKSHOP</b> \$165 Do you love to create with LEGO® bricks? Join us for a week of great LEGO®-based science, technology, engineering, and math. Program LEGO® Field Robotics kits to make sounds, create a vehicle, respond to sensors, and more as you build, engineer, and solve challenges. This class repeats June 12-16.</p>	<p><b>HEROES, GODS AND MORTALS</b> \$155 Gods and goddesses, myths and legends! Take a step back in time to learn about Greek mythology and examine these mythological elements in Rick Riordan’s <i>Percy Jackson</i> series. Through reading, writing, games, and projects, immerse yourself into the world of Poseidon, Zeus, Hades, and more ancient figures!</p> 
July 24-28	<p><b>SIMPLE MACHINES</b> \$155 Do you have a curiosity for how things work? Ever tried to take something apart and then put it back together? Join us for a week of innovative tinkering and exploration! Gain an understanding of circuits, electronics, and how they are organized to make a working machine. Then spend the week taking apart simple machines and electronics as you reconfigure the wires, sensors, and lights to create your own working machine!</p>	<p><b>3D PRINTING</b> \$165 Have you ever imagined creating your own objects and tools, such as a spoon, whistle, or a wrench? Now is your chance to do so in our 3D printing class! Held in collaboration with the STEAM Room Fab Lab, the sky is the limit as students learn what 3D printing is, and how to create a digital model to print their own 3D object to take home by the end of the week.</p> 
	<p style="text-align: center;">————— <b>MATH ACADEMY WEEK 2</b> —————</p>	<p><b>TINY HOUSE, TINY LIVING</b> \$155 More people live in our world than ever before but the planet itself is not getting any bigger. It’s time to find a way to do more with the small space we have! Based on the TV show “Tiny House Hunters”, use your artistic and design skills to create a 100-400 square foot house that includes ingenious ways to store belongings, maximizing available space while making someone feel at home.</p>
July 31-August 4	<p><b>THE GREAT IOWA CITY RACE</b> \$320 (COMBINED K-6, FULL DAY CLASS 8:30AM-3:30PM) Collaborate, navigate, and orienteer your way through Iowa City on this <b>full day</b> urban adventure! Break up into teams and be presented with a challenge at the beginning of each day. Working together, each team must research and find a way to get to the mystery destination before anyone else. Students will spend the day at their destination once they find it, and ultimately gain independence as they navigate their way through the sites of the greater Iowa City area.</p>	

Iowa Youth Writing Project



STEAM Room



# SIXTH – EIGHTH GRADE

	MORNING CLASS 8:30-11:30AM	AFTERNOON CLASS 12:30-3:30PM
June 5-9	<p><b>PROJECTILE MOTION \$155</b> How far will an object travel if it is launched in the air? What can we change to affect how it moves to hit a target? Learn the science behind projectile motion as you build catapults, slingshots, trebuchets and other launching machines to make objects fly through the air to hit various targets. This week of science and math will be full of engineering, discovery, scientific testing, and hands-on fun!</p>	<p><b>SUPERHERO PHYSICS \$155</b> Can Batman’s cape really allow him to fly safely? Can Spiderman’s spider silk really hold a car as it hangs from a bridge? Find out this and more about your favorite superheros as you explore the science behind their extraordinary super powers.</p>
June 12-16	<p><b>ARCHITECTURE \$155</b> Put on your design hat and become an architect for a week! Learn what architects do, work with a local architect, and go on field trips to examine the different kinds of architecture right here in Iowa City! Then use your newfound knowledge to create and design your own model buildings, and oversee its construction from beginning to end.</p>	<p><b>INDUSTRIAL TECHNOLOGY \$155</b> After learning how to SAFELY use common workshop tools, spend the week engaged in hands-on, interactive learning. Build your own tote boxes from scratch to use for tools, plants, toys, storage, give as a gift, and more! Then take a field trip to visit a woodshop, all while gaining important life skills that will help you become independent individuals. Students will be required to bring in some tools from home to work on projects.</p>

## HOW WILL YOU...



## THIS SUMMER?



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