



# Longview School

## Course Offerings 2022-2023

### English Language Arts

#### Requirements for Academic Track:

**3 Core classes plus 1 elective**

#### *Electives*

Research Papers  
Writing Workshop  
Bite-Sized Shakespeare  
Literature of Film  
Ted Talks/Moth Radio Hour

### Math

#### Requirements for Academic Track:

**3 Core classes plus 1 elective**

#### *Electives*

Game Programming with Unity  
Start a Business  
Science and Geometry of Sports

### Art/Music

#### Requirements for Academic Track:

**2 classes minimum**

#### *Electives*

Art for Creativity: General Art Class  
Portfolio Art  
Site Specific Art  
Jam Class: Group Music  
Dance Works  
Play Your Art Out  
Intro to Acting  
Voice Study and Performance

### Physical Education

#### Requirements for Academic Track:

**2 classes minimum**

PE (Game-based)  
PE (Exercise-based)  
Yoga and Meditation

### History

#### Requirements for Academic Track:

**3 Core classes (American History) plus 1 elective**

#### *Electives*

The Roots of Civilizations: Creating Cities and Cultures  
with Gaming  
Just Cause  
The Masters: Art of History

### Science

#### Requirements for Academic Track:

**3 Core classes plus 1 elective**

#### *Electives*

Psychology  
Arduino Design  
Citizen Science  
Art and Science of the Human Body  
F. A. I. L. (aka Junk box Wars)  
Gardening and Botany

### Foreign Language

#### Requirements for Academic Track:

**1 language (2 classes/week) minimum**

#### **Languages**

Spanish  
Hebrew Language

#### **Other Classes:**

Introduction to Virtual Reality  
Cooking  
Baking  
Driver Education  
Gaming with Espacio A  
Minecraft: Stoneblock  
Study Skills  
What's Next after Longview

# 2022-23 Course Descriptions

## Amanda's Classes

### Middle School ELA

**3 classes per week**

**Teacher: Amanda**

English Language Arts is designed to advance your skills in reading, writing, and speaking. We will be introducing novels, short stories, poems, and plays. Everyone is expected to participate and read thoroughly so you can participate. We must create a safe learning environment so respect for all is a priority. During the year we will also be working on specific writing projects. Most of these projects will relate to the reading material. As part of the writing component, you will be expected to complete 1-2 journal entries weekly. Journaling is meant to be fun and help develop your writing skills while also helping your emotional growth.

### High School ELA

**3 classes per week**

**Teacher: Amanda**

English Language Arts is designed to advance your proficiency in analytical reading, writing, speech, and communication skills. The literature component of the course offers an introduction to several genres including novels, short stories, dramas, and poetry. Everyone is expected to participate and read thoroughly so you can participate. We must create a safe learning environment so respect for all is a priority. During the year we will also be working on specific writing projects. Most of these projects will relate to the reading material. As part of the writing component, you will be expected to complete 3-5 journal entries weekly. Journaling is meant to be fun and help develop your writing skills while also helping your emotional growth.

### Research Papers

**1 class per week**

**Teacher: Amanda**

The research paper can take on many forms, from purely analytical to deeply personal. The goal of this class is to learn to express opinions and theses in well-defended and researched papers. We will cover the two main types of research papers, argumentative and analytical, after which we will work on a personal research paper. Students will be taught how to use the Modern Language Association format for citing their research in order to be prepared for collegiate research assignments.

### Writing Workshop

**1 class per week**

**Teacher: Amanda**

This class will focus on developing your writing skills. We will discuss what makes good writing and different techniques to excel in writing. The class will build a writing community where students share their work and are able to offer constructive feedback, as well as critique their own work. Most of the course will focus on creative writing.

**Literature of Film****1 class per week****Teacher: Amanda**

*\*\*\* The movies shown in this class will be rated PG-13 and below. \*\*\**

The goal of this class is to develop skills in reading, thinking, writing, listening, and speaking through an in-depth study of films. Students will be taught to analyze films in the same way that they study a literary text, by viewing and discussing movies. By viewing films as an art form, we can analyze their narrative structure, genre conventions, subtext, technical and artistic factors, and purpose.

**Psychology****1 or 2 classes per week****Teacher: Amanda**

Psychology can best be summarized with this quote by Sigmund Freud: "The mind is like an iceberg, it floats with one-seventh of its bulk above water." So much of our minds are underneath the surface. Understanding Psychology plays an important role in understanding yourself. The goal of the class is to help you understand your own behavior and the behavior of others, as well as become in tune with your own mind and mental health.

**Bite-Sized Shakespeare****1 class per week****Teachers: Amanda & Heather**

Shakespeare CAN be fun! The goal of this class will be to read and understand Shakespeare, through bite-sized performances. We'll take some of the best sections of Shakespeare's work and have fun exploring the different ways it can be performed and enjoyed.

**Heather's Classes****Portfolio Art****1 class per week****Teacher: Heather**

In this class, students will first examine their own strengths and interests regarding tone, media and personal style. Experiential exercises will be utilized to help with this self-discovery which will then lead to creating unique pieces based on the students' interests. Classes will involve building individual strengths in the foundations of art through exercises and practice. Students will also build artistic literacy which will help them to comment compassionately and constructively on their own work as well as the work of others. At the end of the year, each student will have created a portfolio of work and will have gained some experience in the local arts community. Students will be supported in choosing what it is they would individually want to include in their portfolio and will gain confidence in creating artwork that resonates with them personally.

**Art for Creativity****1 class per week****Teacher: Heather**

In this studio-arts class, we will focus on general art making with an emphasis on two-dimensional art. We will first examine our own personal interests and styles, and allow this to guide our ongoing creative journey. We will be discussing basic art principles such as color, form, movement and composition. Within this framework, we will also be individualizing projects that encourage each student to find their own creative voice, supported to complete projects that resonate with their own interests. Within this class, students will learn how to speak about their work developing artistic literacy and learn to kindly comment on the work of

others. We will delve into specific techniques and exercises in clay, watercolor painting, sculpture, drawing and more, while also exploring expression through art and building creative confidence.

### **Site Specific Art**

**1 class per week**

**Teacher: Heather**

In this class, students will focus on mural painting as well as scenic painting, creating scenic design to support the final performance of the acting class. We will work together from discussion, to sketch, to projection, to painting. Students will be encouraged to find a space in Longview that speaks to them individually and then to express themselves upon our walls as their canvases. We will work as a group on a large scale project, utilizing teamwork, collaboration and problem-solving. Students will learn skills and techniques for building their own large-scale works of art, which includes form, color, composition, and more.

### **Jam Class**

**1 class per week**

**Teachers: Heather**

This class is an opportunity for students to express themselves musically in a collaborative setting. Students can bring an instrument of their choice to class or choose from a selection of instruments that the school offers. We will run through basic musical exercises in rhythm, music theory, listening, and contributing to the music as a team. This class is a way for students to become more confident in their musical abilities so that they are able to have fun with others while creating together. There will also be opportunities to listen and discuss some of our favorite musical genres.

### **Dance Works**

**1 class per week**

**Teacher: Heather**

Have you ever wanted to express yourself while moving your body? Did you ever want to be the best dancer at your cousin's wedding? In this class, we will explore movement in a supportive and non-judgemental environment. First we will identify our own individual movement while discovering the world of dance. Including elements of jazz, ballet, modern and lyrical hip hop, we will work together to create an original performance piece based on the collaboration of the individual class members.

### **Play Your Art Out**

**1 class per week**

**Teacher: Heather**

Feeling burnt out? Feeling a bit frazzled by the world? In this class, we will work together to build an art practice that strives for individual and community peace through process-based art. We will first learn to take a feelings inventory, realizing how we feel in our minds and bodies. We will then utilize process art to create evolving works which represent the eb and flow of our emotions. Utilizing therapeutic art techniques, students will enjoy developing healthy coping mechanisms for many of life's stressors. Students will also create works full of movement and joy within a playful atmosphere. Learn how to create poured paintings, chain-pull paintings, tie-dye, millefiore and other colorful and playful art techniques. Each student will build an eclectic collection of work, focusing on individual interests, favorite techniques/color schemes, as well as developing coping mechanisms.

**Intro to Acting****1 class per week****Teacher: Heather**

Do you long to be on stage or to learn to act for the camera? In this class, students will learn the basics of acting. Utilizing theatre games, improvisation and scene study, even beginner actors will learn how to develop the performance of a monologue as well as a duo scene. Students will leave the class with an audition monologue as well as scene-study experience. If agreed upon by the participants, this class will culminate in a final performance.

**The Masters: Art of History****1 class per week****Teacher: Heather**

Learn how art influenced history and how history influenced art in this art history class. Students will delve into the work of the most influential artists throughout history and create their own works of art inspired by the greats such as Picasso, Rembrandt, Pollack and Matisse. Students will create an evolving visual timeline of art, concentrating on the different periods of art creation throughout history.

**Voice Study and Performance****1 class per week****Teacher: Heather**

Do you love to sing along to the radio? Do you sing loudly in the shower? In this course, students will study the musical instruments of their bodies: their voices. Utilizing holistic techniques, students will gain confidence in their individual performances as well as their duet and group work. This class will offer a warm and supportive environment that will be encouraging to anyone who would like to tone and to learn more about their instrument.

**Bite-Sized Shakespeare****1 class per week****Teachers: Amanda & Heather**

Shakespeare CAN be fun! The goal of this class will be to read and understand Shakespeare, through bite-sized performances. We'll take some of the best sections of Shakespeare's work and have fun exploring the different ways it can be performed and enjoyed.

**Jessica's Classes****Cooking****1 class per week****Teacher: Jessica**

In this class, students will learn to cook a variety of dishes, ranging from quick and easy breakfasts to full dinner meals. We will have units that focus on fish, meat, vegetables, and starches. We will begin by learning basic cooking skills such as knife skills, how to follow a recipe as well as when to improvise, and how to best mix the primary flavors. This will be a hands-on class where students must learn each part of the cooking process, and then will be able to enjoy the product of their labors. Students will get their turn to be "head chef" each trimester and lead their classmates in following through a complete recipe within an affordable budget.

**Yoga & Meditation****1 class per week****Teacher: Jessica**

It is said that yoga is not just a workout, but very much a work in. It challenges the individual to bring their focus and awareness inwards through mindful breaths and body movement. Simply doing so can help develop and improve many other social-emotional skills. By slowing down the nervous system, it allows the body to cultivate a sense of safety and clarity in a learning environment. I hope to guide students along with gentle yoga flows and meditations to put their body and mind at ease so that they may thrive in other areas of their education. Some yoga philosophies will be integrated, such as the Eight Limbs of Yoga, to inspire class themes and give students “food for thought” when they are off their mat. Students will also keep a journal for self-reflection after their yoga practice.

**Julia's Classes****Spanish 1 and Spanish 2****2 classes per week****Teacher: Julia**

The Spanish language is the second most spoken language in the United States and in the world today. Studies have shown how being bilingual not only improves memory and multitasking skills, but also broadens the chances of obtaining a job because of this useful language skill. The ability to communicate with a wider community is a huge asset to one's skill set. In class, we will use real world situations that will enable students to effectively communicate in Spanish with native speakers. Students will acquire the skills to be confident enough to convey a message in the target language that will help them navigate their way around a Spanish speaking person and/or country, should they choose to travel later in life. We will use a flipped classroom environment this school year. That is, the students will be introduced to and learn new subject material at home, at their own pace, by watching video lessons online. When they come to class, they will do in-class activities to review, practice, and apply their newly learned skills.

**Hebrew Language****2 classes per week****Teacher: Julia**

Learning the Hebrew language can be so much fun! With a good instructor, a bit of patience and lots of practice you can be on your way to reading, speaking, writing and understanding Hebrew. An entire new alphabet of consonants needs to be learned as well as a series of dots and dashes which represent the vowels. Keep in mind that Hebrew is written and read from right to left. The ability to read Hebrew is a gift that will bring you much pleasure and will also help to strengthen your ability to learn other foreign languages. I have 20 years experience teaching Hebrew with much success.

**Mark's Classes****High School American History****3 classes per week****Teacher: Mark**

This class will take a thematic approach to American history. Rather than simply starting with Columbus' arrival to the New World and going decade by decade through to the American Civil War in year one and then to the 21st century in year two, we will cover some main themes which have particular importance at many times throughout American history. The primary themes for this year will be as follows:

Trimester 1: Immigration

Trimester 2: War  
Trimester 3: Activist Movements

The class will involve discussion, debate, research, and writing. There will be a focus on helping students to become amateur historians, rather than simply being passive recipients of lectures and videos. Students will develop the ability to critically analyze what is happening in the world, and to relate current events in modern society to events from the past. There will be regular homework required for this class.

### **Middle School American History**

3 classes per week

Teacher: Mark

This class will take a thematic approach to American history. Rather than simply starting with Columbus' arrival to the New World and going decade by decade through to the American Civil War in year one and then to the 21st century in year two, we will cover some main themes which have particular importance at many times throughout American history. The primary themes for this year will be as follows:

Trimester 1: Immigration  
Trimester 2: War  
Trimester 3: Activist Movements

The class will involve discussion, debate, research, and writing. There will be a focus on helping students to become amateur historians, rather than simply being passive recipients of lectures and videos. Students will develop the ability to critically analyze what is happening in the world, and to relate current events in modern society to events from the past. There will be regular homework required for this class.

### **Driver Education--Introductory**

1 class per week

Teacher: Mark

Although Longview does not offer a certified Driver Education course to meet NY State requirements, this introduction to driving and the rules of the road provide the students with the support they need to obtain a driver license. Preparation for both the written and road test will be provided. Actual on-road experience for NY State students once they have passed the written test will be a part of the class. Students will be required to pass the written test by the start of January 2023.

### **Introduction to Virtual Reality**

1 class per week

Teacher: Mark & Raphael

Remember when you were just learning to use a smartphone? Now almost all of us use these almost as if they were a part of our bodies. The next step in the advancement of technology is clearly going to be virtual reality, and Longview is fortunate to have 8 of the amazing Oculus Quest 2 headsets. Mark, Raphael, and Nick spent a summer exploring all sorts of apps, games, and worlds in virtual reality. This class will give students an introduction to the technology. It will provide an opportunity to try out a range of apps and games, from the physically difficult to the mentally challenging. It will also include an introduction to world building in virtual reality, with each student building interactive environments in apps like AltspaceVR and Engage. Students will be able to borrow headsets so they can explore with them at home as well as in school.

### **Start a Business**

1 class per week

Teachers: Mark

Many people get jobs working for companies large and small. An entrepreneur is someone who organizes and runs a business, very often working for her/himself. This is a person who starts with an idea and turns it into a way of making money. In this course, we will start and run a small business as a class. The following topics will be covered: how to choose a business to start, making a business plan, budgeting, advertising, designing materials, record keeping, accounting, banking, online presence, and sales.

### **What's Next after Longview**

1 class per week

Teachers: Mark

\*\*\*Required for Juniors and Seniors

In order to graduate from traditional high schools, one need only complete academic requirements. At Longview, graduation means more than completion of classes; it means preparation for life. In order to ensure this benchmark is met, students must either complete a Graduation Paper (Academic Track students) or a Graduation Thesis (Self-Directed Track students). In these papers, students must argue that they are prepared for what comes next after Longview. In order for this to be a winning argument, students must have made plans and have all of the pieces in place for these plans to be able to succeed. They should come to know themselves well. This includes knowing their learning style so they can succeed in classes, but it also includes knowing their own personality, so they are aware of their wants and needs, and are able to fulfill them. If a person intends to go from Longview to college, they should sort through schools, make campus visits, complete applications, meet requirements, do internships in their future field, and generally make themselves into desirable candidates. If a person intends to go from Longview into the working world, they should evaluate various jobs, spend time in settings similar to their future workplaces, learn skills, and make connections. All students in this class will be required to do volunteer work or an internship, or to work a part-time job connected to their future career plans. In addition, students must learn the skills young adults use in order to successfully direct their own lives. This class is dedicated to supporting students in making all of these preparations for life.

### **Raphael's Classes**

#### **Baking**

1 class per week

Teacher: Raphael

In this class, students will learn how to bake various delicious treats, from breads and savory bakes, possibly including pizza, to pastries and sweets such as cakes and cookies. A pillar of this class will be preparation in advance: This might include preparing a cornbread batter that will be baked by the teacher during lunch, so that it's ready when the students are ready to go home; or it might include baked goods that are prepared one week in advance and then made in the next class, such as making bread dough and maintaining it, baking a loaf of bread and adding to it in order to create something not dissimilar to sourdough. This will be a hands-on class where students must learn each part of the baking process, and then will be able to enjoy the product of their labors. If a student misses more than three classes throughout the trimester they must request a meeting with the instructor regarding the absences or risk a failing grade.



**Math****3 classes per week****Teacher: Raphael**

In this class, students will progress through math at their own speed using an online program called Edgenuity with small group lessons to learn foundational skills and concepts. Students will be placed based on what skills they have already mastered prior to taking this class and will have the opportunity to advance at their own pace. The class will have weekly homework assignments for one hour of math completed outside of class. If a student misses more than three classes throughout the trimester they must request a meeting with the instructor regarding the absences or risk a failing grade.

**Game Programming with Unity****2-3 classes per week****Teacher: Raphael**

Technology is a rapidly growing industry, changing constantly. Most recently, VR has started to take off. VR Gaming, teleconferencing, and being able to access activities that are either impossible or simply very difficult to access in real life. Dissecting animals without needing to harm real animals, learning subjects such as math or history through gamification, and creating preliminary architectural templates are all things that can be achieved through VR, and the first step to be able to participate in this process is being able to work in an “game engine”, a system that makes creating games, and therefore VR simulations, much easier. In this class, we will be learning the basics of the Unity game engine, using game programming to encourage and mark growth as we learn to code. If a student misses more than three classes throughout the trimester they must request a meeting with the instructor regarding the absences or risk a failing grade.

**Arduino Design****1 classes per week****Teacher: Raphael**

In this class, we will delve into the world of computer science through the lens of Arduino. Arduino refers to a specific brand of single-board microcontrollers and microcontroller kits used to build digital devices. These microcontrollers are very basic, but have a large number of potential uses in life. We will be starting with basic builds in the first and second trimesters, learning about how to do basic things like creating thermometers, using buttons and dials, and so forth; and then, in the third trimester, we will move towards larger projects. These projects will be decided upon based on the interests of the class, with a preference for projects with real-world applications and paying attention to costs, sourcing materials as needed in order to create the item for a. Maybe we'll make a GPS tracker we could hand to a younger student when going on a field trip, or a heart rate and body temperature monitor that could be used to check for a fever, or maybe we'll see if we can log people using their fobs to unlock the school front door. The possibilities are nearly endless.

**Minecraft: Stoneblock****2-3 classes per week****Teacher: Raphael**

Has anybody ever told you that video games can't teach you anything? Have you ever felt like you were learning from the games you played? If the answers to those questions are yes, then this is the course for you! We will learn foundational concepts for a variety of school subjects in fun and educational ways using the world of Minecraft. In Stoneblock, we will be using the Stoneblock 2 modpack, learning about automation and why it had such a profound impact on the world, allowing you to create systems of technology that turn incredibly difficult tasks into trivial ones.

## **The Roots of Civilizations: Creating Cities and Cultures with Gaming**

**2-3 classes per week**

**Teacher: Raphael**

This class will be using games to explore the foundations of civilization. In the first half of the year, we will be using the Little Cities VR application to explore the basis of larger civilizations by creating towns and cities, and exploring the needs of these communities. We will then explore what the implications of these game mechanics are, asking how this digital world is representing ours. In the second half of the year, we will be using the Rimworld application to explore how smaller communities function. The students will be in charge of a small community of complex individuals, with varying skills, talents and problems. The students will need to guide this community to success, weaving their way through the seasons, ensuring plentiful food and amenities, interacting with other surrounding communities, and ensuring the community has people doing everything that needs to be done. They will be the final decision maker on application of medication, food, games and furniture, and jobs. They will then map this onto the real world, looking for what makes their community successful and what makes it unsuccessful and seeing how it compares to ancient communities that had similar levels of success and technological sophistication.

## **Introduction to Virtual Reality**

**1 class per week**

**Teacher: Mark & Raphael**

Remember when you were just learning to use a smartphone? Now almost all of us use these almost as if they were a part of our bodies. The next step in the advancement of technology is clearly going to be virtual reality, and Longview is fortunate to have 8 of the amazing Oculus Quest 2 headsets. Mark, Raphael, and Nick spent a summer exploring all sorts of apps, games, and worlds in virtual reality. This class will give students an introduction to the technology. It will provide an opportunity to try out a range of apps and games, from the physically difficult to the mentally challenging. It will also include an introduction to world building in virtual reality, with each student building interactive environments in apps like AltspaceVR and Engage. Students will be able to borrow headsets so they can explore with them at home as well as in school.

## **Sheri's Classes**

### **High School Chemistry**

**3 classes per week**

**Teacher: Sheri**

Chemistry is sometimes considered one of the most challenging (and therefore sometimes feared) science courses. This year, I plan to offer students a chance to explore this class through a new lens and experience that chemistry is connected to everything around them. We will learn about matter and energy, states of matter, chemical reactions, explore the periodic table of elements, as well as how types of energy and matter are used in their own lives. Students will have an opportunity to develop the following skills while using the scientific method: Observing, classifying, quantifying, predicting, controlling variables, interpreting data and results (including reflecting upon failures and unexpected outcomes), as well as communicating using multimedia resources, and forming conclusions. Whenever and wherever students' interests will guide their choices for enriching their chemistry experiences by delving into topics which not only catch their attention, but also allow them to use their knowledge to make informed decisions as citizens. Some potential topics: material science, combustion engines versus electric vehicles (the pros and cons of each), the debate over how will we generate enough energy safely for all of humankind, the responsibility of

humans to protect natural resources, as well as future opportunities to find a career in chemistry or using these values skills.

**Middle School Science**

**3 classes per week**

**Teacher: Sheri**

Science is everywhere and affects every part of your day, your life, that of the environment, the flora and fauna which surrounds us, the watersheds, the air, the Earth and soil as well as the energy and types of matter we depend upon for meeting our basics needs. In this course, students will be challenged with an array of different opportunities to use hands-on, minds-on approaches to explore topics in the various realms of science, including (but not limited to): biology, botany, chemistry, climate and weather, earth, environmental science, and physics. Students will be encouraged to choose long-term investigations which are driven by their interests and will have an opportunity to collaborate with peers whenever possible. Students will be encouraged to develop their scientific skills and deepen their understanding of the scientific method by performing experiments and their own investigations (where time and resources make this possible). Observing, classifying, quantifying, predicting, controlling variables, interpreting data and results (including reflecting upon failures and unexpected outcomes), as well as communicating their findings using multimedia resources, and forming conclusions will all be included.

**Ted Talks/Moth Radio Hour**

**1 class per week**

**Teacher: Sheri**

Have you ever wanted to share an idea or story with others? Do you have a message or perspective that you think is missing from society? Do you think others might benefit from something you have to say? Do you like to tell stories? Share experiences? Do you have something serious to say, or a funny or unique way of looking at something? Consider taking this elective. We will explore the qualities and characteristics which make some speakers and storytellers exceptional; consider how visuals can best support a “talk;” and watch some TED Talks and listen to some storytellers from the Moth Radio Hour to gain perspectives and sharpen your own speaking and public speaking skills.

**F. A. I. L. (aka Junk box Wars)**

**1 class per week**

**Teacher: Sheri**

Why would anyone want to join an elective which honors and even encourages a person to fail? This activity is designed for students who enjoy building “things” and identify ways to solve problems and learning from our mistakes. At first glance, the concept behind this offering may seem to be a waste of time until you consider that F.A.I.L. stands for First Attempt In Learning. Come fail with us... learn from your mistakes, and try again... we'll knock things down, but then figure out how to do such things even better!

**Art and Science of the Human Body**

**1 class per week**

**Teacher: Sheri**

Do you have a favorite painting, drawing, sculpture or image of the human form? Have you ever wondered what structures allow our bodies to keep in those poses? What happens below the surface when the body moves as shown in the piece of art? In this elective, we'll explore the art of the human body and its internal structures which allow it to move, hold still or just exist in the realm of art.

**Science and Geometry of Sports****1 class per week****Teacher: Sheri**

Have you ever wondered why some people can seem to shoot a basketball and sink it practically every time? Others can hit a ball with a bat, club or a racquet and place the sphere almost precisely where they want it to go. How come some people can throw a Frisbee or a ball better than others? Some people can jump higher or farther than we might imagine. Find out how we can use Science, Geometry (math) and even technology to help us get better at any sport that interests you. (Sports may be limited due to space and the confines of the school's campus)

**Just Cause****1 class per week****Teacher: Sheri**

After Hurricane Katrina hit the United States, in 2005 and not only damaged many areas in the Gulf of Mexico, cost people their lives; I noticed that my students wanted to help and yet there were way too few avenues for many of them to get involved. If they, or their family's, had money, they could donate to help others. I believe caring for others and giving money to good causes is valuable, even essential, however, there's a huge problem with ONLY being able to help if you have money... it doesn't allow for everyone to make a difference and feel good for offering their efforts. Just Cause was "born" out of that terrible tragedy and gave all kids a place where they could get involved and make a difference. We figured that everyone has at least one of the 3 T's to offer: Time, Talent or Treasure. In this elective, we'll define areas where kids can actually get involved and help their community, school and those who simply could use a helping hand.

**Citizen Science****1 class per week****Teacher: Sheri**

Did you know that there are hundreds of REAL science investigations being performed all the time which are looking for YOUR help in collecting actual data? You and some friends, or siblings or even your family and dog can get involved. In past years, some of the programs need people to share their findings about all sorts of things: When did you first spot "Lightning Bugs?" "What behaviors does your dog display in given situations?" "In citizen science, the public participates voluntarily in the scientific process, addressing real-world problems." ([citizenscience.gov](http://citizenscience.gov)) Also, [Scistarter.gov](http://Scistarter.gov) "Science we can do together."