LISD YOUTH SUMMER PROGRAMS

MONDAY THROUGH FRIDAY
July 9 through August 3, 2018

Lenawee Intermediate School District

➡ **LISD Career Exploration Camps**
REGISTER ONLINE AT: www.lisd.us/camps

➡ **LISD TECH Center Summer School**
REGISTER FORMS AVAILABLE ONLINE AT:
www.lisd.us/instructional-services/tech-center

Career Exploration Camps

Lenawee Intermediate School District

TIMES AND LOCATIONS
Please note the dates, times, and locations of camps are variable. Details for each camp can be found on the quick reference guide on pages 3-4.

FEES AND REGISTRATION
Cost: $60 full day/$35 half day *per week* for Lenawee County students
$85 full day/$60 half day *per week* for out-of-county students

Fees are all inclusive. All materials, activities, lunches, and snacks are covered by the cost of registration (listed above).

Age Requirements: Student's age for camp is as of the first day of camp.

Registration Begins: April 10, 2018, at 10:00 a.m.

Register On-line at: www.lisd.us/camps

Register On-site at the LISD TECH Center, 1372 N. Main Street, Fridays, 9:00 AM - 4:00 PM

All registrations are due one week prior to the start of camp: you may register on-line or at the LISD TECH Center.

LUNCHES & SNACKS
Snacks are provided for half-day sessions. Lunch and snacks are provided for full day sessions.

WEEKLY MENU:
Day 1: Spaghetti, green beans, garlic bread, fruit, milk
Day 2: Chicken tenders, corn, breadstick, apple slices, milk
Day 3: Beef taco with lettuce and cheese, applesauce, cookie, milk
Day 4: Hamburger or hot dog, tossed salad, grapes, cookie, milk
Day 5: Pizza, veggie sticks, fruit, cookie, milk

We have adopted a peanut "aware" menu due to allergies observed in our camps.

Daily Snacks:
Snacks would include a small water and snack, such as Goldfish crackers, string cheese, animal crackers, pretzels, apple slices, etc.

Parents are welcome to send in a lunch and/or snacks for their child on any day of his/her camp.

A modified menu for field trips (below) will be served on field trip days instead of daily menu
All field trip meals: sub sandwich (deli meats), chips, applesauce, cookie, water and a snack.

WAITING LISTS AND CANCELLATION/REFUND POLICY
There is limited space and registrations are taken on a first-come, first-served basis for ALL camps.

Registered students will receive an email one week prior to camp and will include detailed information about the camp.

If the desired camp is full, students may be placed on a waiting list by contacting the person below. If an opening becomes available, students will be notified in the order they were placed on the waiting list. If you need to remove a participant from a camp, please contact person below as soon as possible.

ALL CAMP PURCHASES ARE NON-REFUNDABLE AND NON-TRANSFERRABLE.

Needs based scholarships are available.
Contact Linda Brooks (517-265-1665, linda.brooks@lisd.us) and the
LISD Summer Camps for more information.

CONTACT INFORMATION FOR CAREER EXPLORATION CAMPS AND WAITING LISTS
Linda Brooks   517-265-1665   linda.brooks@lisd.us

QUICK REFERENCE GUIDE

Please note the dates, times, and locations of camps are variable.

LOCATIONS:

LISD TECH Center	LISD Center for a Sustainable Future	Stubnitz Environmental Ed. Center
1372 N. Main St.	4260 Tipton Hwy	Heritage Park
Adrian, MI 49221	Adrian, MI 49221	Adrian, MI 49221

CAMPERS SHOULD REPORT DIRECTLY TO THE CAMP LOCATION.
PLAN ON ARRIVING 15 MINUTES EARLY ON THE FIRST DAY TO CHECK IN.

Week beginning: July 9

Ag-Citing Ag-Ventures (6-8 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	Center for a Sustainable Future
Careers in Veterinary Technology (11-14 yrs)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Eekstein's Lab (6-8 yrs.) Week One	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Intro to Automechanics (11-14 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Lego Robotics - Beginner (9-10 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Machine Makers (11-17 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Movie-Making Mania (11-14 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center
3D Print Factory-Week One (9-14 yrs.)	7/9-7/13	9:00 a.m. - 3:00 p.m.	LISD TECH Center

Week beginning: July 16

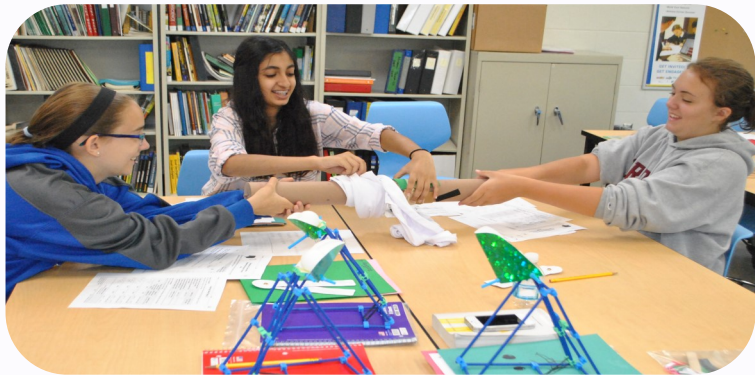|			
Amazing Sphero Games - Week 1(9-12 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Careers in Veterinary Technology (11-17 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Dirt, Turtles & Snails; Adventures in Field Ecology!	7/16-7/20	9:00 a.m. - 3:00 p.m.	Stubnitz Environmental
Eekstein's Lab - Week 2 (6-8 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
How Things Work (11-17 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Junior Mad Scientists (6-8 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Lego Robotics - Advanced (9-14 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Playing with Steam (11-14 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center
3-D Print Camp - Week 2 (9-14 yrs.)	7/16-7/20	9:00 a.m. - 3:00 p.m.	LISD TECH Center

Week beginning: July 23

Adventure Island (11-14 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Amazing Sphero Games-Week 2(9-12 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Comic Book Camp (11-17 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Ultimate Idea Incubator (11-17 yrs.) NEW!	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Forensic Science Exploration (11-17 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Grossology - Week 1 (9-10 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Hammer Time (14-17 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Ready, Jet, Go! (9-10 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center
3-D Print Camp - Week 3 (9-14 yrs.)	7/23-7/27	9:00 a.m. - 3:00 p.m.	LISD TECH Center

Week beginning: July 30

Battle Bots (11-17 yrs.)	7/30-8/3	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Carboard Box Regatta (11-14 yrs,)	7/30-8/3	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Comic Book Camp (11-17 yrs.)	7/30-8/3	9:00 a.m. - 3:00 p.m.	LISD TECH Center
Girsl in Chemistry and Engineering (9-10 yrs.)	7/30-8/3	9:00 a.m. - 3:00 p.m.	LISD TECH Center
3-D Print Camp - Week 4 (9-14 yrs.)	7/30-8/3	9:00 a.m. - 3:00 p.m.	LISD TECH Center

Adventure Island (11-14 yrs.)
During Adventure Island, campers will go head to head in "Survivor" theme activities. Campers will apply STEAM (Science, Technology, Engineering, Arts and Mathematics) based learning concepts to create and build designs. They'll face each other with boat competitions and launch items using catapults, among other challenges. Integration of the arts, including creating ocean slime, will be intertwined within the experiments and students will gain a fun hands-on learning experience!

Ag-Citing Ag-Ventures (6-8 yrs.)
Where does your food come from? The store? Think again… join us for an exciting week of exploring where your food comes from.

Amazing Sphero Games! (9-10 yrs. And 11-12 yrs.)
Come meet our little friend, Sphero, the magical robotic ball! Can you program Sphero to compete in different amazing games? Use your imagination and creativity to make your Sphero maneuver through mazes, change color and direction, and other various challenges!

Battle Bots (11-14 yrs.)
Yep this is a smash-em up derby with robots! You and your teammates will build and program your warrior robot and then compete against other teams to become the victor. You will learn to build your robot using Vex Robotic components and then program using Robot C.

Beginning LEGO Robotics (9-10 yrs.)
Students will design, build, and program fully functional models during this exploration camp. Using LEGO Mindstorm EV3; students will be able to program their robotic creations to move, talk, and complete a variety of tasks. They will be introduced to programming scenarios and in turn will use this knowledge to program their models. As they work through the process of creating their models they will also be looking at ways to integrate them into a variety of situations and make changes to improve them. Students will be collecting and analyzing data, working on the logistics of programming, and will see the connections to subjects and careers that they may become interested in. They will also see how the TECH Center as they enter high school can help in their future endeavors. Students will see the many connections in our community related to robotics.

Cardboard Boat Regatta (11-14 yrs.)
Campers will be involved in learning the design and mechanics behind cardboard boat building. This will include learning different boat designs, buoyancy, materials, application, critical thinking and teamwork. Campers will design and construct individual model boats. Campers will also participate in a team build of full size cardboard boats.

Careers in Veterinary Technology (11-17 yrs.)
Have you ever thought about a career in Veterinary Science? This camp will focus on how veterinarians diagnose and treat common injuries and ailments. Students will learn about the parasites and microbes that cause common illnesses in pets and livestock, and how veterinarians administer care to prevent or treat infection. Hands-on dissections will allow students to explore anatomy and learn important medical terminology. Students will also gain important laboratory skills such as using the microscope, culturing bacteria, and analyzing bodily fluids to diagnose a disease.

Comic Book Camp (14-17 yrs.)
Do you love to draw? Do you enjoy reading comic books? Have you ever imagined creating your very own comic book? If so Comic Book Camp is the career camp for you! In it you will learn the art of comic book illustration and coloring techniques; you will learn to develop story boards and cell layouts in order to bring your creative imagination to life in comic book form.

Dirt, Turtles & Insects: Adventures in Field Ecology (11-14 yrs.)
You will explore and experimentation in the field and the lab, you will learn how to apply scientific and engineering practices to real-life research questions and will learn skills such as observing wildlife, trapping and tagging animals, and collecting water quality data. You will get a hands-on look at environmental issues that are affecting our environment. Come ready to be outdoors and explore nature!

Eekstein's Laboratory (6-8 yrs.)
Are you interested in becoming a mad scientist? This is the camp for you. Experience a variety of science careers through hands-on experiments. You will be amazed how science is connected to your daily life.

Ultimate Idea Incubator (11-17 yrs.)
Come and make your dreams come true! You have ideas, we have the resources to help you make them real. Join us in the ultimate idea incubator, the TECH Center Mechatronics Lab. We'll explore available online resources, develop your own 3D models and use VEX components to help animate your ideas. Students will use CAD, VEX, 3DPrinting and coding to make their creations in this NEW camp!

Forensic Science Exploration (11-17 yrs.)
Have you always wondered what it would be like to be a detective or forensic scientist? In this camp you will learn how to process a crime scene, gather evidence, and create your own crime scene map. You will perform 10 different forensic tests on the evidence gathered from "mock" crime scenes to help solve the crime! You will also get a real hands-on learning experience from real police detectives!

Girls in Chemistry and Engineering (9-10 yrs.)
Girls Rock!! During this camp we will study the contributions women have made to the world of Chemistry and Engineering. We will explore career paths available in the science world and learn about the different areas of engineering by executing fun, exciting STEM/STEAM activities. We will perform hands-on chemistry experiments and work with the design process to create some pretty cool things! This camp isn't just for girls…it's for anyone who wants to make a difference in our world!

Grossology (9-10 yrs.)
Human Grossology—Squeamish shrieks and squeals are the order of the day as campers engage in delightfully repulsive projects that help you learn about the gross, but cool workings of the human body. Explore the stinky, oozy, slimy, and liquid products of the human body. Make fake blood, mucus, and scabs. Through these hands-on activities, you will get the "poop" on human gross science and become an official "grossologist".

Hammer Time (14-17 yrs.)
The camp offers an introductory/exploratory building trades class and provides an opportunity to explore the construction trades.

Intro to Automotive Mechanics I (11-14 yrs.)
1/2 day session-AM
Do you want to learn more about careers in the exciting world of automotive repair? In this camp, learn the basic technical skills to diagnose, overhaul, and repair automotive systems and components. This camp is for any student who wishes to work on cars, either as a career or in their own garage!

How Things Work (11-17 yrs.)
Everyone likes to tear things apart, but tearing something apart with permission is even better! You will be given an out of service piece of equipment such as an old household appliance or copy machine. Then using various tools your team will take the piece of equipment apart, and learn why and how it works. What do you see from an engineering standpoint? How was it manufactured?

Junior Mad Scientists (6-8 yrs.)
Poof, splat, BANG! We are going to take your everyday objects and turn them into extraordinary objects. Learn about inquiry and the scientific method, while conducting astonishing science experiments. Create rubber eggs and chicken bones, make glow-in-the-dark potions, launch rockets, build exploding volcanoes and much more! Put on your goggles as we dig into the extraordinary world of a mad scientist!

Lego Robotics (9-10 yrs.)
Using Legos Mindstorms, you will design, build, and pro- gram fully functional robots that move through an obstacle course, talk, and have a variety of sensors to do other actions. As young scientists, you will carry out investigations, calculate and record data, and present the results. You will travel to area companies and universities to see a variety of careers and how robots can be used. This is an exciting way to look at Legos!

Lego Robotics - Advanced (9-14 yrs.)
Prerequisite: Previous Lego Robotics camp Take your Lego Robots to the next level! Learn how to improve your robot designs and programming with more complex tasks and obstacles. Continue to expand your investigations, improve your calculations, and compare your design results.

Machine Makers (11-17 yrs.)
Have you ever wanted to design and build a machine from scratch to perform tasks? Then this camp is for you! Us- ing Vex Robotics equipment, you will be part of a 2 or 3 member team that will design and build a machine to per- form specific challenges. Compare your designs and test your machines with other teams. How do you think you will do? Good luck!

Movie Making Mania (11-14 yrs.)
Calling all movie makers! Come and join us for a week of movie making mania! Campers will earn how to use iTrailer to create movie trailers and iMovie to learn how to create and edit videos. Campers will also learn how to create stop-motion movies using the Stop Motion iPad app and iMovie. Campers will also be able to experience a GoPro and create a movie. Skills include using Garage Band or adding music and sound to movies, creating and editing videos, adding titles and captions, still images, etc. to work in order to create a finished movie product. Campers will leave the week with at least 4 short movie creations, and be able to work on a project of their choice! Student, be prepared to bring videos from home, or share them with instructors electronically in order to turn your home videos into keepsakes for the future.

Playing with Steam (11-14 yrs.)
Join us for a week of exploration and play with various toys and gadgets from the S.T.E.A.M. world. Students will have opportunity to invent with gadgets like MakeyMakey and 3-D printer pens. Campers will work with augmented reality apps to enhance science, math and art skills. Campers will also work on coding through the programming of Ozobots. All that we ask is the you arrive ready to explore and create.

Ready, Jet, Go! (9-10 yrs.)
Come fly with us! 3….2…1… lift off! This week we will discover how planes, rockets, and animals take flight. We will create planes, gliders, and hot air balloons while learning about the principles of flight. Complete with a trip to the Kalamazoo Air Zoo, this will be a week you will never forget!

3-D Print Factory –Week One (9-14 yrs.)
Have you ever wondered how 3-D printing works and what it is used for? From wheels on a toy to complex machines and more, learn the engineering design process used to make some really amazing objects. You will create your own computer program and use a 3-D printer to make your design real! If you want to learn how to make something from nothing, this camp is for you!

3-D Printing Camp—Weeks Two, Three and Four (9-14 yrs.)
Have you ever wondered how 3-D printing works and what it is used for? From wheels on a toy to complex machines and more, learn the engineering design process used to make some really amazing objects. You will create your own computer program and use a 3-D printer to make your design real! If you want to learn how to make something from nothing, this camp is for you!

LISD YOUTH SUMMER PROGRAMS

Lenawee Intermediate School District