

## Camps Offered:

3D Printing - Design It!

Against the Grain Woodshop

Amazing Cartoons

ART-aPaLooza

Auto Body-Custom Sports Logo

Computer Exploration

Computers Unleashed

Electric Jungle

Fancy Photoshop

French Pastry School

Fun with Food

MCSI

Outdoor Power Sports

Robo-Trek

TBA Drag Way

Teaching Tips

Welding & Fabrication

## General Information

Camps are open to all TBAISD students **currently** in 5th, 6th, and 7th grades.

Registration fee of \$40.00 includes: t-shirt, supplies, snacks, and lunch on the last day.

Registration deadline: May 20, 2016.

Questions? Call: 231.922.6322

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Please Note: A limited number of **scholarships** are available based on financial need. Interested campers should apply by writing a short essay explaining why they qualify. Submit the **student-written** essay **with** a completed registration form.

Send the essay to:  
Mr. Patrick Lamb, TBACTC  
880 Parsons Road  
Traverse City, MI 49686

Camp confirmation post cards  
will be mailed the end of May.



Tuesday  
Wednesday  
Thursday

June 21-22-23, 2016

8:30 AM - 11:30 AM

880 Parsons Road  
Traverse City, MI 49686  
tbactc.org

Logo designed by  
Ally Brooks, TBACTC  
Graphic Arts B Student  
Grand Traverse Academy

Traverse Bay Area Intermediate School District



880 Parsons Road  
Traverse City, MI 49686



# Cool Tech Camp Descriptions

### 3D Printing... Dream it, Design it, Make it!

The world is changing at an ever increasing pace. 3D printing may be moving us into the next industrial revolution as we can now print everything from Legos to human body parts! In this camp, students will get an exposure to what is currently possible with 3D printing, learn the basics of a 3D design tool, and then use a 3D printer to take their design from “art to part.”

### Against the Grain Woodshop

Campers will learn to work with their hands to create a wood project they will be proud to take home. Experience will be gained on the miter saw, router, and belt sander along with staining and finishing. Safety and craftsmanship will be primary goals.

### Amazing Cartoons & Animation

Discover the magical world of cartoons and animation. This camp will introduce students to creating and animating cartoon characters. You'll complete hands-on activities in Sketch, SAM Animation, PhotoShop, and After Effects. You will learn to shoot stop animation with a 3CCD video camera and still digital SLR. Campers will also be exposed to various types of animation including gif animation, stop animation, and claymation. Let's make some magic!

### ART-aPaLooza

Imagine, dream, create - you're the artist!! This is an ALL OUT, AMAZING camp for experimenting with several types of art media. Watercolor, acrylic paint, colored pencil, pastels and markers are just a few of the tools you will use to make Artist Trading Cards, 2 ½ x 3 ½ mini masterpieces. We will also explore mixed media collage, Zentangles, embossed metal and digital art. Learn many techniques and take home an Art Journal bursting with your designs and a kit filled with supplies so you can create all summer long!

### Auto Body-Custom Sports Logo

Campers will be taught how to spray paint with a professional, high-volume, low-pressure spray gun. Campers will then be given a large team logo from a favorite sports team. They will prepare the logo for primer, paint, and clear coat. Safety will be emphasized and you MUST love sports! Campers must wear closed-toed shoes.

### Computer Exploration (Customize & Play)

Welcome campers! During your visit you will learn to identify parts of a computer and build one. Next, you will learn about the Windows operating system and install it on the computer that you built on the first day. Then you'll learn about apps and how to install your favorite software from Adobe to WinZIP! You never know...you may just end up leaving with something you didn't have when you came in!

### Computers Unleashed!

Discover a variety of applications and make cool projects to take home! Students will design, create, and print their own business cards, address labels, letterhead, calendars, and greeting cards using digital cameras, scanners, and the Internet. Please bring a few personal photos, either printed or on a storage medium (flash drive, CD, digital memory card) on the first day.

### Electric Jungle

It's a jungle out there! Wires, circuits, switches, and plugs can trip you up! This camping session will help you find your way through the exciting world of electricity, armed with the safety “know-how” and first aid skills needed to keep you out of harm's way. You will learn about some exciting careers and jobs in the electrical field, become familiar with some basic information about electricity, conduct an electrical home safety survey, wire a simple AC circuit commonly found in your home, and, at the end of this trek through the electric jungle, build a robot that you will take home with you! If you need a “spark” to begin your summer vacation, this camp is for you!!

### Fancy Photoshop

Make your photographs FANCY! Manipulate, retouch, collage, and enhance your photographs. Better than built in instagram or iphone effects, you'll learn to make your photographs sparkle and shine. Create a magazine cover with airbrush techniques that make you look like a movie star. Take an old photograph and make it look modern and new. Combine photographs to create a fantasy world. Paint digitally and make text look like metal, water, and more. We'll supply a scanner and cameras to take new images against a green screen. Bring some of your favorite or worn pictures (digital or printed) to use in the class. Mac computers will be used, however no prior computer experience will be required. You will go home with tips and tutorials, a flash drive, and prints of your favorite creations.

### French Pastry School

Campers will learn hands on how to create three classic breakfast pastries: Danishes, Pâte à Choux and Tarte aux Pommes. We will cut, fill, egg wash, bake, glaze and frost using Danish dough. From a pastry bag filled with choux paste, we will pipe cream puffs, éclairs and a few long necked swans. And to impress the most discriminating food enthusiast, we will craft a classic and elegant apple tart. Bon Appétit! Please wear closed-toed shoes appropriate for a commercial kitchen.

### Fun with Food

First, we'll visit the fantastic flavors of Mexico and create authentic, fresh Mexican foods from scratch. We will prepare and sample food from tortillas stuffed with spicy chicken to hot tamales and homemade salsa. Day two, campers will enjoy a picnic that will bring to light the many wonderful foods common to Michigan. We will set the table with fancy napkin folds and service ware for this gourmet picnic. Day three will focus on yummy chocolate treats - dipped strawberries, pretzels, chocolate covered dried fruits and more. Please wear closed-toed shoes appropriate for a commercial kitchen.

### MCSI: Medical Crime Scene Investigation

Campers will be totally engaged in a mock murder investigation and solve it by using investigative medical tools of the trade testing fake blood types, checking for signs of injury, looking for clues and more!! Campers will also experience various areas of the health care profession, take vital signs and will put together their very own first aid kit to take home! If you think a medical career in your future and like CSI, NCIS, or want to be a “Sherlock Holmes,” this is right up your alley!

### Outdoor Power Sports

This camp is designed to introduce campers to all kinds of engine-driven outdoor equipment. Often called “small engines,” this camp focuses on power units including 4-cycle and 2-cycle engines found on mini bikes, go-karts, ATV's, and dirt bikes. Campers will work on a 4-cycle engine with emphasis placed on part identification and use. Campers will use a variety of hand tools. Shop safety will be emphasized and campers receive a tool to take home. Campers must wear closed-toed shoes.

### Robo-Trek: A Robotic Excursion

Campers will design and build a motorized LEGO remote control vehicle to navigate through an obstacle course. In addition, each camper will design his or her own LEGO “Bling” using SolidWords 3-D CAD program and print it out in plastic on MTA's rapid prototype machine. It will be designed to snap onto the vehicle for the race.

### TBA Drag Way

Experience the excitement and speed of drag racing via Automotive Technology. Campers will build their own CO<sub>2</sub> powered dragster. During camp you will have the chance to race your car against fellow campers. The top three winners will receive a TBA DRAG WAY trophy. Safety will be stressed throughout the camp experience. There will even be an air bag from a car exploded before your eyes! So come and experience “THE NEED FOR SPEED.”

### Teaching Tips for Making Learning Fun, Indoors or Out in the Sun

In this creative, hands-on learning camp you will discover how to help children learn important skills without them ever knowing there is a “lesson plan being taught!” You will develop several make and take FUN activities to share with the children in your life; younger brothers and sisters, cousins, neighbors or for children you babysit. You will leave camp with a tote filled with art supplies, recipes, songs, books, puppets and games and some really cool sneaky little tips on “how to hide learning” in play, cooking, dance, creative expression and more!

### Welding & Fabrication

This camp will introduce students to the world of welding. You will be exposed to welding and fabrication equipment common to the trade today. Campers will complete hands-on activities with arc and oxy-fuel cutting and welding equipment. Safety will be emphasized in all activities. Campers must wear long pants and closed-toed shoes.

### COOL TECH CAMP FUN! (Print Clearly)

Student:	_____	Phone H:	_____	W:	_____	Mark first AND second choice!	1st	2nd
Parent/Guardian Name:	_____	City	_____	Adult T-Shirt Size	_____	3D Printing...Dream it!	<input type="checkbox"/>	<input type="checkbox"/>
Address:	_____	Birthdate:	_____		_____	Against the Grain Woodshop	<input type="checkbox"/>	<input type="checkbox"/>
Zipcode:	_____	Current Grade:	_____		_____	Amazing Cartoons & Animation	<input type="checkbox"/>	<input type="checkbox"/>
Current School:	_____		_____		_____	ART-aPaLooza	<input type="checkbox"/>	<input type="checkbox"/>
Email address for future Camp notices:						Auto Body - Custom Sports Logo	<input type="checkbox"/>	<input type="checkbox"/>
Please include \$40.00 check or money order made payable to TBAISD. Fee includes t-shirt, supplies, snacks, and lunch on last day.						Computer Exploration!	<input type="checkbox"/>	<input type="checkbox"/>
						Electric Jungle	<input type="checkbox"/>	<input type="checkbox"/>
*My son/daughter agrees to abide by the TBAISD Computer Policy as explained on the first day of camp if computers will be used.						Fancy Photoshops	<input type="checkbox"/>	<input type="checkbox"/>
						French Pastry School	<input type="checkbox"/>	<input type="checkbox"/>
Parent Signature _____						Fun with Food	<input type="checkbox"/>	<input type="checkbox"/>
						MCSI	<input type="checkbox"/>	<input type="checkbox"/>
*If give permission for my child to be photographed during camp.						Outdoor Power Sports	<input type="checkbox"/>	<input type="checkbox"/>
						Robo-Trek - A Robotic Excursion	<input type="checkbox"/>	<input type="checkbox"/>
Parent Signature _____						TBA Drag Way	<input type="checkbox"/>	<input type="checkbox"/>
						Teaching Tips -Making Learning Fun	<input type="checkbox"/>	<input type="checkbox"/>
Mail registration form and payment to: TBA ISD 880 Parsons Road Traverse City, MI 49686-3692						Welding & Fabrication	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>