

Paper forms should be submitted to:

Orchard Lane Elementary School
% Larry Lueck,
2015 S. Sunnyslope Road
New Berlin, WI
53151

Summer Learning Opportunity
For students entering Grades 5 thru 12 for the 16-17 school year

STEM Camp

Science, Technology, Engineering, Mathematics

PLEASE COMPLETE 1 FORM FOR EACH CHILD

Date: July 24 – 28, 2017

Session Times: Monday thru Thursday from 9:00a – 2:30p Friday from 9:00a – 12:00p

Location: Eisenhower Middle/High School - 4333 Sunny Slope Rd. New Berlin

Student Name: (First Middle Last)

Gender: Male Female

Student Date of Birth:

Student Current Grade: 4th 5th 6th 7th 8th 9th 10th 11th

Current School:

Has student participated in Camp previously? Yes No

Parent/Guardian Name: (First Middle Last)

Parent/Guardian Email:

Home Address:

Contact Phone Number:

Emergency Contact Name: (if you cannot be reached)

Emergency Contact Number:

For students entering Grades 5 thru 12 for the 16-17 school year

STEM CAMP Sessions – 2017

Course Name	Grade Level	Additional Information
3D Modeling and Printing	High School	Additional \$20.00 fee for course materials
Advanced Video Creation using Adobe Premiere	High School	
App-Builder	Middle/High	
Beginner Movie Creation	Grades 5 thru 8	
Chemistry Fun	Middle/High	Additional \$20.00 fee for course materials
CSI	Middle/High	Additional \$20.00 fee for course materials
Design Challenge	Grades 5 thru 8	Additional \$20.00 fee for course materials
Digital Designing	Middle/High	
Digital Music Composition	Middle/High	
ER Camp	Middle/High	
Exploring Aerospace and Aeronautics	Middle/High	Additional \$20.00 fee for course materials
Game Coding	Middle/High	
IT Hardware	Grades 5 thru 8	
Lego Robotics	Grades 5 thru 8	
Robotics	Middle/High	
Virtual Reality using Aurasma	Grades 5 thru 8	
Webpage Design	Middle/High	

Please select two primary courses that your child is interested in by marking with a **P**.

Please also choose at least two alternate courses with an **A**.

We will try to honor your primary choices, but will need to know alternatives as well.

COURSE DESCRIPTIONS follow on the next two pages.

Questions please contact:

Larry Lueck, Associate Principal, Orchard Lane Elementary

Email: larry.lueck@nbexcellence.org

Phone: 262-789-6501

STEM CAMP 2017 COURSE DESCRIPTIONS

Course	Description	Program of Study Connection
3D Modeling and Printing	This course is designed for students to work hands on with Inventor software to design a model of a 3D item. By the end of the course, students will have created their 3D model via the Maker Bot 2X Replicators.	STEM
Advanced Video Creation using Adobe Premiere	Ready to learn the basics of filming and editing? Shoot with pro-level cameras and see how much fun creative editing can be with the drag-and-drop power of Adobe® Premiere®. Take home a DVD of your final project to show your family and friends.	Computer Science
App-Builder	Even with no prior experience, you can learn to build apps within hours. We will start with the basics then lead you through the development of successively more complex apps, teaching programming concepts as you go.	Computer Science
Beginner Movie Creation	For children ages 10 to 14. In this course, students will use photo and Movie Maker software and write original scripts, capture and manipulate photos, film video segments, and put them together to create their own films.	Computer Science
Chemistry Fun	Chemistry is the investigation of substances and how they interact, combine, and change. If you like to experiment, this course is for you! Students learn safety and other lab techniques and then put these skills to work in various lab experiments throughout the week. This course is hands-on and exciting!	STEM
CSI	In this course, students will learn what it takes to be a real crime scene investigator by conducting research, finding clues and gathering evidence, and making conclusions about a simulated crime.	Health Science
Design Challenge	Do you like to build, invent, tinker and/or learn new skills and expand your mind? We will focus on completing daily design challenges. Use your creative thinking to construct solutions from everyday objects to complete each mission.	STEM
Digital Designing	Course Description Coming Soon	STEAM

Digital Music Composition	Use digital programs to channel your creative side by composing your own masterpiece. Applications allow you to try several instruments and styles and score and mix your own music.	STEAM
ER Camp	Students are introduced to basic first aid and response to emergency situations, the types of trauma, and their outcomes. Students learn how to take vitals and locate evidence of trauma all while practicing team problem solving in various scenarios.	Health Science
Exploring Aerospace and Aeronautics	In this course, students will work with teachers to study the design and characteristics of aircraft and rockets. Through a series of investigations designing gliders, rubber band powered airplanes, and sport rockets students will learn about lift and thrust, stable flight, and flight controls. During the week students will also investigate the fields of aerodynamics and aerospace engineering.	STEM
Game Coding	In this course, students will learn to use game coding software to create and play their own computer games. No programming experience is required, yet students will create many different kinds of games as well as learn more about the features that make games fun, playable, and challenging.	Computer Science
IT Hardware	Course Description Coming Soon	Computer Science
Lego Robotics	For children ages 10 to 14. This session will inspire imaginations and challenge minds. The course uses LEGOs as a fun tool to explore robotics, mechanical systems, electronics and programming. Students will work in teams of four with the same robots used in the First LEGO League competition.	STEM
Robotics	In this course, students will be exposed to the principles of automation and robotics and explore how these techniques affect current society. Specific use of district robotics kits and programming software will be utilized.	STEM
Virtual Reality using Aurasma	For children ages 10 to 14. Interact with the real world through augmented reality. This app allows students to create an augmented reality that comes to life. Students will create their own design, tours, and interactive stories with waypoints and hidden clues to lead a virtual adventure.	Computer Science
Webpage Design	If you enjoy using online tools and designing your own space - this is the course for you. Students are exposed to a variety of web 2.0 tools to develop a webpage or digital scrapbook.	Computer Science