Tech Camps

for upper elementary and middle/high school. (Enrollment 12/session)
Instructed by Eric Vanderhoof

Cost $80/40/15

T1A&B June 11-15 Android Code Camp / Advanced Code Camp (taught concurrently) Finishing grades 5-11; Wright Center 2nd floor 9:15-12:15

T2 June 11-15 Lego Robotics Camp For Finishing grades 5-8; Wright Center Second Floor 1:15 pm-4:15 pm

T3 June 25-29 Lego Simple Machines Session 1 Finishing grades 3-5; Columbia Elementary mornings 9:15-12:15

T4 July 23-27   Lego Simple Machines Session 2 (Repeat of T3) Finishing grades 3-5; Wright Center 2nd floor afternoons 1:15 pm-4:15 pm

Science Enrichment Camps

for upper elementary and middle/high school (Enrollment 12/session) instructed by Eric Vanderhoof
Cost $80/40/15

S1 June 25-29 Real World Chemistry Finishing grades 6-10 at Columbia Elementary School afternoons 1:15-4:15

S2 July 9-13 Rollers, Rockets, and Race cars - Physics in Motion Finishing grades 3-5; at the Wright Center 2nd floor

S3 July 9-13 Electricity! Static, Circuit, and Electronic Finishing grades 4-6; Wright Center 2nd floor Afternoons 1:15-4:15

S4 July 23-27 Waves of Sound and Light (Acoustics and Optics) Finishing grades 3-6 Wright Center 2nd floor Mornings 9:15-12:15

(see detailed descriptions ot Tech and Science Enrichment camps and a chart of all camps on back)

Nature Play Camps at the BFEC

for elementary school children (Enrollment 24/session) Located at the Brown Family Environmental Center: Laymon Rd, Gambier. At nature play camps children will play in the river, creek, meadow, and pine forest. They will get wet and dirty and do all the things you wish kids these days still did outside - like climbing, and playing in the river, even in the rain, without electronic devices. They will gain confidence, learn how to take risks safely, and improve their social skills in a natural environment, gaining experience, knowledge, and appreciation of our natural world. All instructors are elementary school teachers. Five year old children must be enrolled in kindergarten in the fall to qualify for camps for ages 5 and up. All camps listed below meet from 8:30am-11:30 am.   *(Full day River camp (R1) and N1 are full and not listed below)*

N2 June 11-15: Ages 8-11 Nature Play Camp
N3 June 18-22: Ages 5-7 Nature Play Camp
N4 June 25-29: Ages 8-11 Nature Play Camp
N1-4 Cost $60/$30/15
N5 July 9-12: 4 Days Ages 5-11 Family Camp
N5 Cost $50/$25/$15

Film Camp (Enrollment 12)
For children finishing grades 7-10. At the Wright Center with Kenyon College's Film Department, Full-day, June 25-29. Cost $150/75/15

When paying for SPI camps choose the regular price or the financial need half price according to your circumstances. If you are receiving outside financial assistance such as EBT card, Medicaid, etc. you are likely to be

eligible for the Sue Webster Family Access Program, and can choose this option when paying for camps. Joining this program allows you to pay $15 for the first child for camps and $5 for added siblings, and provides free annual membership to SPI. **Thanks to the Ariel Foundation for supporting our camps and the Community Foundation for supporting the Sue Webster Family Access Program.**

Register for camp online at SPI-MountVernon.org or visit SPI

SPI Summer Camps (4/2018)

T1 June 11-15 Android Code Camp / children finishing grades 5-11
Make your own apps! Create games, art programming experience needed. For challenges students to develop apps that raspberry pi computers. Perfect for students with some coding experience.

Advanced Code Camp Mornings;For

programs, life organizers, and more. No older students, advanced code camp interact with the real world using

T2 June 11-15 Lego Robotics Camp Afternoons; For children finishing grades 5-8
Lego robotics camp takes love of robots and legos and channels it into a series of projects that introduce students to the engineering process (and helps them make really awesome robots to do their bidding). There will be both guided and free-build time using the lego NXT robotics system. Robot programming is done using an easy drag and drop interface.

T3 June 25-29 Lego Simple Machines Session 1 Mornings repeated for T4 July 23-27 Lego Simple Machines Session 2 Afternoons; For children finishing Grades 3-5; *Levers, gears, pulleys, and wheels. Use legos to explore how simple machines make our technology possible and our lives better. Each camp day includes a focus on a different simple machine, followed by an opportunity for creative free building.*

S1 June 25-29 Real World Chemistry Afternoons; For children finishing grades 6-10; *Chemistry is the art and science of transforming one material into another and understanding the nature of the physical world. To emphasize that this happens in the real world outside a lab, real world chemistry will use materials that can be found or bought in Mount Vernon stores. Students will extract and purify plant products, examine the interaction of light with matter, transform metals, and use solar power from grocery store purchases. No prior chemistry experience is necessary.*

S2 July 9-13 Rollers, Rockets, and Race Cars Mornings; For children finishing grades 3-5; *By building roller coasters, rockets, fan cars, slingshots, spinning tops and hovercrafts, students will gain an understanding of mechanical energy and momentum. No prior physics experience needed. Students will take home their creations.*

S3 July 9-13 Electricity-Static, Circuit, and Electronic Afternoons; For children finishing grades 4-6
Electricity powers the modern world. Electrical physics develops students' concepts of electricity, first by zapping using static electricity, then by making electricity follow circuits through lights and motors, and finally by building basic electronics. Several projects will be taken home.

S4 July 23-27 Waves of Sound and Light Mornings; For children finishing grades 3-6
We understand the world mostly through sound and light. This camp aims to help students learn to use and change the waves in the world around them. By using speakers, lasers, mirrors, lenses, and slinkies, we hope to really understand how musical instruments, surround sound, headlights, 3-D goggles, cameras, and microscopes bend vibrations in the world around us to our will. Several projects will be taken home.

Age/Grade of child	June 4-8	June 11-15	June 18-22	June 25-29	July 1,2,5,6	July 9-12/13	July 23-27
Ages 5-7	Nature Play Camp N1 (Morning)		Nature Play Camp N3 (Morning)			Nature Play Camp Family Camp N5 (4 day-M-Th) Morning	
Ages 8-11		Nature Play Camp N2 (Morning)		Nature Play Camp N4 (Morning)	River Camp R1 (4 Day- M,T, Th,F) all day	Nature Play Camp Family Camp (4 day-M-Th) Morning (N-5)	
Finishing Grades 3-5				Lego Simple Machines T3 (Morning)		Rollers, Rockets, Race Cars S2 (Morning)	Acoustics and Optics (Sound and LIght) S4 (morning)
							Lego Simple Machines T4 (afternoon)
Finishing Grades 4-6						Electricity S3 (Afternoon)	Acoustics and Optics (Sound and LIght) S4 (morning)
Finishing Grades 5-8		Android Coding T1A /Advanced Coding T1B (Morning)		Real World Chemistry S1 (Afternoon)			
		Lego Robotics T2 (Afternoon)					
Finishing grades 7-10		Android Coding T1A /Advanced Coding T1B (Morning)		Real World Chemistry S1 (Afternoon)			
				Film Camp F1 (All Day)			