SESSION 1 · JUNE 8-12

Vex Robotics
(Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers — Date: June 8-12 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Are you interested in robotics, coding, and working with others to build awesomely epic robots? If so, come join us for a week of robotics fun at LPS Summer Technology Program! Working in teams you will obtain hands-on experience building, programming and controlling VEX robots capable of performing various tasks. Some of the projects covered are: lifting mechanisms, remote control operation, and the basics of programming. The camp will conclude with a robot competition between the various teams.

Adventures of Minecraft
(Grades 4, 5, 6, & 7)
Instructor: Mr. Mark Danley — Date: June 8-12 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Go beyond basic Minecraft and learn to build custom maps, write command blocks, add redstone structures, and create resource packs to enhance the Minecraft playing experience.
Join this camp to explore the creative and building aspects of the world of Minecraft. Use your creativity and imagination to create maps complete with amazing cities and caverns for your friends to explore. Write a story for your own Minecraft level, and place enemies and unbreakable walls where you please. Create your own unique characters for your levels, and let your friends win or lose at your discretion! Students learn game design concepts such as game world design, storyboarding, gameplay, and modeling.

Exploration of Digital Media
(Grades 6, 7, 8, & 9)
Instructor: Ms. Abby Plihal — Date: June 8-12 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Digital Media will introduce students to the technical tools and processes used in digital design. Students will focus on developing advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. The design process model is introduced including typography, color, and imagery. Design software (Adobe Illustrator, Photoshop and InDesign) is utilized to create print and web publications.

Game Design
(Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers — Date: June 8-12 / Time: 1-4pm
Tuition: (NLR - $170) (LR - $85)
Don't just play games…learn to code them! Join us for a fun filled week creating games with Bloxels and possibly other applications. We will code everything from simple click games to more advanced games with original backdrops and characters.

Lego Robotics Ev 3 Class
(Grades 4, 5, 6, & 7)
Instructor: Mr. Mark Danley — Date: June 8-12 / Time: 1-4pm
Tuition: (NLR - $170) (LR - $85)
Lego Robotics kits allow students to create the smartest, strongest and most advanced Lego robot ever! LEGO Ev 3 MINDSTORM includes an all-new Ev 3 Intelligent Brick with 32-bit microprocessor, a sound sensor, an ultrasonic visual sensor, an improved touch sensor, an improved light sensor and easy-to-use Windows and Macintosh programming software. Maximum of 16 participants. Students will be required to work with a partner. The course is designed for two students per kit

Exploration of Digital Media
(Grades 6, 7, 8, & 9)
Instructor: Ms. Abby Plihal — Date: June 8-12 / Time: 1-4pm
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SESSION 2 · JUNE 15-19

Vex Robotics
(Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers — Date: June 15-19 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Are you interested in robotics, coding, and working with others to build awesomely epic robots? If so, come join us for a week of robotics fun at LPS Summer Technology Program! Working in teams you will obtain hands-on experience building, programming and controlling VEX robots capable of performing various tasks. Some of the projects covered are: lifting mechanisms, remote control operation, and the basics of programming. The camp will conclude with a robot competition between the various teams.

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(Grades 4, 5, 6, & 7)
Instructor: Mr. Mark Danley — Date: June 15-19 / Time: 9-12 Noon
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WeDo Lego 2.0 Robotics
(Grades 4, 5, 6, & 7)
Instructor: Mr. Patrick Fielder — Date: June 15-19 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Don't just build with Lego blocks, create and code your own robot, truck, animatronic creature, or other project and watch it come to life! Participants will use the new Lego WeDo 2.0 kits to learn about programming, engineering and technology and create a variety of projects from the ground up, making the robots from Lego pieces, figuring out how to incorporate a motor in their design, and then coding the assembly to run (lots of assembly required). In addition, learn how to create apps on a "virtual tablet" by coding in coffeescript using bitsbox

Game Design
(Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers — Date: June 15-19 / Time: 1-4pm
Tuition: (NLR - $170) (LR - $85)
Don't just play games…learn to code them! Join us for a fun filled week creating games with Bloxels and possibly other applications. We will code everything from simple click games to more advanced games with original backdrops and characters.

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Digital Creation Craziness
(Grades 6, 7, 8, & 9)
Instructor: Mr. Brent Jarosz — Date: June 15-19 / Time: 1-4pm
Tuition: (NLR - $170) (LR - $85)
Bored with just Photoshop? We will be exploring a number of different programs that are used in school and in different businesses. We will mainly be focusing on Adobe creative suite products but may do some other exploring!

SESSION 3 · JUNE 22-26

Digital Art and Design
(Grades 6, 7, 8, & 9)
Instructor: Mr. Adam Schwaninger — Date: June 22-26 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Explore graphic design, animation, and other forms of digital art. This course focuses on creative expression using Photoshop, PiskelApp, iPad drawing applications, and more. Learning will be a combination of structured lessons and freedom of choice, culminating with a student-designed final project.

Introduction to Programming Concepts
(Grades 6, 7, 8, & 9)
Instructor: Mr. Alan Holdorf — Date: June 22-26 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
With technology in every part of our lives, programming knowledge is becoming more important for everyone to have. In this exciting week-long course, we will be exploring the basic concepts of computer programming by playing some coding games where you will be typing in code rather than using blocks. Sign up if you want to one day be a programmer, or are just interested in seeing how fun coding can be!

Technology Treat
(Grades 6, 7, 8, & 9)
Instructor: Ms Cailtin Mentzer & Dr. Kent Steen — Date: June 22-26 / Time: 9-12 Noon
Tuition: (NLR - $170) (LR - $85)
Virtual Reality, Virtual Robotics, Stop Motion Animation, and Drones – all in one action-packed week. Virtually everything you could want in a summer class!

Note: Tuesday's class will be held at Reflex Gaming Center located at 1409 N Cotner Blvd #406, Lincoln, NE 68505. That day will give students the opportunity to experience the latest in VR gaming technology. Students will need to be dropped off and picked up by parents/guardians at Reflex Gaming that day, instead of at Bryan. No transportation will be provided for students who may be taking an afternoon class back at Bryan – parents/guardians will need to do this. A signed release form will be required to participate in the VR activities on Tuesday.

NO LUNCH SUPERVISION IS PROVIDED, PLEASE PLAN ACCORDINGLY
For further information about STP, visit the Summer Technology Program website at http://wp.lps.org/stp

NLR - Non Lincoln Resident
LR - Lincoln Resident

Summer 2020 Summer Technology Program
Registration
(Please fill out both sides of this form)

Student's Name _____

Student School ID # _____

Male ☐   Female ☐

School attending in the Fall 2018 _____

Grade entering in the Fall 2018 _____

Parent/Guardian Name _____

Address _____

City _____ State _____ Zip _____

Phone (day) _____

Phone (evening) _____

Parent e-mail (optional) _____

EMERGENCY CONTACT INFORMATION:

Name _____

Phone _____

☐ Check here if student qualifies for the free/reduced lunch program.

Students may participate in field trips and/or be photographed or videotaped for media purposes.

Field Trip Permission ☐ YES ☐ NO
Photo/Video Release ☐ YES ☐ NO

Parent/Guardian Name
(PRINT) : _____
(SIGNATURE) : _____
DATE: _____

Please complete both sides of this registration, detach, submit with a check made out to Lincoln Public Schools and mail to:

Lincoln Public Schools
Bryan Community Focus Program
Attn:Summer Technology
300 S. 48th Street
Lincoln, NE 68510

Please check classes student wishes to attend:

(one form per student please - fill out both sides)

■ Session 1 - June 8-12th ■

- [ ] **Vex Robotics**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Adventures of Minecraft**
  (9a.m.-12 noon) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)
- [ ] **Exploration of Digital Media**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Game Design**
  (1-4p.m) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Exploration of Digital Media**
  (1-4p.m) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Lego Robotics Ev 3 Class**
  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)

■ Session 2 - June 15-19th ■

- [ ] **Vex Robotics**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Adventures of Minecraft**
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- [ ] **Lego WeDo 2.0 Robotics**
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  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)
- [ ] **Digital Creation Craziness!!**
  (1-4p.m) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85))

■ Session 3 - June 22-26th ■

- [ ] **Digital Art and Design**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Introduction to Programming Concepts**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Technology Treat**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **WorldBuilder: Minecraft**
  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)
- [ ] **Game On!!!**
  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)
- [ ] **Web Page Design/Web Graphics**
  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)

■ Session 4 - July 6-10th ■

- [ ] **Claymation**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Vex Robotics**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Creating Animation and Games with Bloxels**
  (9a.m.-12 noon) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Claymation**
  (1-4p.m) Grades 4, 5, 6, 7   (NLR -$170) (LR - $85)
- [ ] **Game Design**
  (1-4p.m) Grades 6, 7, 8, 9   (NLR -$170) (LR - $85)
- [ ] **Creating Animation and Games with Bloxels**
  (1-4p.m) Grades   4, 5, 6, 7   (NLR -$170) (LR - $85)

TOTAL ENCLOSED $

Please make checks payable to: *Lincoln Public Schools*
**A service fee of $20.00 will be charged for each bad check returned to Lincoln Public Schools.
**Mail/Drop Off: Bryan Community Focus Program
Att: Summer Technology
300 S. 48th St. Lincoln, NE 68510
Phone Number: 402-436-1785**

WorldBuilder: Minecraft   (Grades 4, 5, 6, & 7)
Instructor: Mr. Mark Danley   **Date: June 22-26 / Time: 1-4pm**
Tuition: (NLR - $170) (LR - $85)
Invest in your future as a game designer with your favorite game! – MINECRAFT!! You'll dive into fundamentals of creating your own levels in a wide-open world, learning level design and problem-solving while building extraordinary environments

Web Page Design/Web Graphics   (Grades 6, 7, 8, & 9)
Instructor: Mr. Alan Holdorf   **Date: June 22-26 / Time: 1-4pm**
Tuition: (NLR - $170) (LR - $85)
Have you ever wanted to make your own Web site? In this course we are going to learn about HTML, CSS, and JavaScript, three of the most important parts of creating a site. You will get to design your own pages and type in your code to make your ideas come to life.

Game On!   (Grades 4, 5, 6, & 7)
Instructor: Mrs Ila Jean Traudt   **Date: June 22-26 / Time: 1-4pm**
Tuition: (NLR - $170) (LR - $85)
Explore, design, plan and code a game of their own creation using the "Unruly Splat" programmable tiles. Students will also be able to explore with Scratch and Bitsbox to create other games and activities! Ready, Set, Code.

SESSION 4 · JULY 6-10

Vex Robotics   (Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers   **Date: July 6-10 / Time: 9-12 Noon**
Tuition: (NLR - $170) (LR - $85)
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Claymation   (Grades 6, 7, 8, & 9)
Instructor: Mr. Jason Brunott   **Date: July 6-10 / Time: 9-12 Noon**
Tuition: (NLR - $170) (LR - $85)
Do you like working with clay? Do you like working on computers? Well, this class offers both! In this course, students will create a short animated movie using clay figures and/or objects, taking photographs of them, and importing them into iMovie. Students will also have the opportunity to add sound using GarageBand and editing images in Adobe Photoshop. Come and join the fun!!

Creating Animations and Games with Bloxel   (Grades 4, 5, 6, & 7)
Instructor: Mr. Tate Mlady   **Date: July 6-10 / Time: 9-12 Noon**
Tuition: (NLR - $170) (LR - $85)
Students will explore creating their own video game level with Bloxels EDU. Create a story with a main character, design backgrounds, and add items and other characters to your level. Students will learn about how basic animation works, and apply that to their characters and in game models. As time allows, students will also get to create animations using BBC Microbits and the Piskel app. Hope to see you there!

Game Design   (Grades 6, 7, 8, & 9)
Instructor: Dr. Rich Powers   **Date: July 6-10 / Time: 1-4pm**
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Summer Technology Program

The Lincoln Public Schools Summer Technology Program is provided for students entering grades 4 through 9 in the fall of 2020. The goal of the program is to provide upper elementary and middle level students a fun, exciting, and challenging opportunity to explore their interest in computers and technology.

Session 1, 2, 3, & 4 will be held at the
Bryan Community Focus Program
300 S. 48th St

Lincoln
PUBLIC SCHOOLS