LEVEL

STUDENTS INVOLVED WITH TECHNOLOGY

UP

February 11
2017

SITES

Normal
Heartland Community College

DeKalb
DeKalb High School

Arlington Heights
South Middle School

Berwyn
Heritage Middle School

Bensenville
Blackhawk Middle School

SPONSORS

Heartland Community College
Illinois State University
State Farm
IlliniCloud

Conference Schedule

8:00-8:30AM   Check-In

8:30-9:00AM   Opening Session (Auditorium)

9:10-9:40AM   RED Session

9:40-10:00AM   Snack Break (Cafeteria)

10:00-10:30AM   ORANGE Session

10:40-11:10AM   YELLOW Session

11:20-11:50AM   GREEN Session

11:50-12:20PM   Lunch (Cafeteria)

12:20-12:50PM   BLUE Session

12:55-1:25PM   PURPLE Session

1:30-2:00PM   Closing Session and Prizes (Cafeteria)

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  (Titles and Locations by Session)

- Full Presentation Schedule

  (Titles with Descriptions)

- Technology in our Community

- Conference Map of Rooms

Welcome to SIT 2017!

We are so excited that you are joining us for a very special conference today! This is the 17th year the Students Involved with Technology Conference has taken across the state of IL. Additional conference sites joining us for this event are Bloomington Normal, Arlington Heights, Bensenville, and Berwyn!

We have nearly 2000 participants throughout Illinois for today's conference; these participants will share in SIT workshops, hands-on activities, and fun! Every participant in today's unique conference plays a part in making this conference a great experience, whether you present or learn from your peers. Students from all conference sites will have the opportunity to watch presentations streamed from Normal.

Committee Members:
Ben Bayle
Steve Bell
Kristin Brynteson
Denise Flemming
Kelli Hamilton
Jennie Hueber
Jennifer Lycan
Dan Rey
Steve Roman
Gina Sandora
Brian Tobin

"CONGRATULATIONS!" to today's conference presenters. Your presentations this year encompass everything from coding, robotics, virtual reality and much more! Attendees today can participate in the sessions of their choosing and pick up the knowledge you are sharing to expand their technology skills-and discover new ones! This year's theme is "Level Up." We are hoping that you will finish today's event with a greater understanding of how YOU can apply your technical knowledge of gaming into other areas of our technical world.

****

JOIN US NEXT YEAR!
February 10, 2018

Closing ceremonies cap off the day's events with drawings and prizes (only presenters are eligible for the grand prize drawing)! Watch for opportunities to earn SIT bucks throughout the day – you can use these to enter into drawings for specific prize baskets you would like a chance to win!
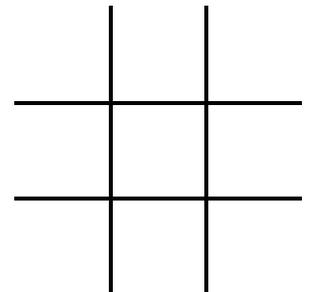
Enjoy the Conference!

Keynote Speaker

Jeremy Bensen

Jeremy Benson serves as program designer and lead presenter for NIU STEM Outreach's demonstration shows and hands-on events, as well as being director of NIU's residential summer STEM camps. He enjoys sharing his passion and excitement for STEM with students all over Illinois, and has worked with teachers and students across the US and even in China. He holds Bachelor's degrees in both Communications and Physics Education, and is a certified secondary education teacher with an emphasis on middle school physical science.

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	7			8		9	6	
8			6	4			3	7

Prize Information

All prizes are located on tables in the cafeteria.

What's a SIT Buck?
A SIT Buck is a "thank you" for students at the SIT Conference for their positive involvement in sessions, asking great questions, being attentive and respectful to the presenters, practicing safety, assisting fellow SIT participants with directions, or helping others during breaks and lunches. Volunteers and Monitors have SIT bucks to give throughout the conference day-see if you can earn a few SIT bucks and maybe win a great prize.

I have a SIT buck, now what?
When you have a SIT buck remember to PRINT your FIRST and LAST names CLEARLY on the back of the SIT Buck (if we can't read your name, then you can't win a prize). Whenever you are between sessions, during snack or lunch break, you can place your SIT buck in the container of the SIT prize that you would like to win. All SIT bucks must be in the prize buckets when closing starts.

SIT Bucks Prizes:
Anyone who has put a SIT Buck in the appropriate prize bucket is eligible to have a chance to win that prize in the drawing. You can submit as many SIT bucks for the drawings as you earn. Participants in the SIT Bucks drawings MUST be present to win and may only win ONCE.

Presenter Prizes:
The prizes on these tables are ONLY for presenters. Names will be drawn from registered presenters at the closing session. Presenters need not be present to win.
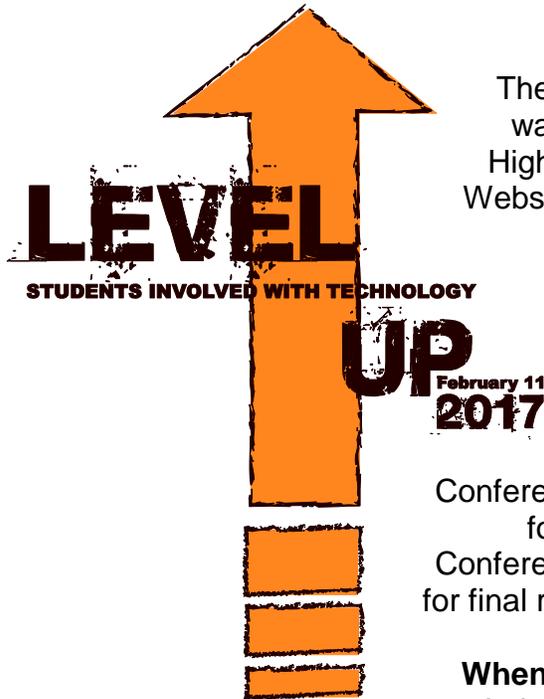
Volunteers Will Distribute SIT Bucks:
Each volunteer has 10 SIT Bucks to distribute at the conference. Volunteers will be giving SIT Bucks to students throughout the day for various reasons—good deeds, helping others, or for any other reason they see appropriate.

Monitors Will Distribute SIT Bucks:
The monitor in each presentation room will be provided with 10 SIT Bucks to distribute at the conference. Monitors may want to give them out for asking questions, helping during their presentation, answering a question, or whatever they choose.

Logo Design Contest

The winning SIT 2017 "Level Up" Design Concept was created by Ethan Clay (from Kingsley Junior High). Ethan's Design Concept is seen on the SIT Website, Letterhead, Conference T-shirts and more!

Will YOU Design The Logo That Will Be Used For SIT 2018? One talented and lucky student attending the conference this year will be the designer of the logo for next year's conference. Every student attending the 2017 Students Involved with Technology Conference is invited to submit an original logo design for the 2018 Students Involved with Technology Conference! Top designs from all sites are submitted for final review and a statewide winning logo is chosen.

When and Where To Design The Logo? The Logo Lab is only open during the morning sessions (red, orange, yellow and green). Computers will be available or you may go non-tech and create a logo on paper. Colored pencils, crayons and markers are available.

What Is The 2018 Theme Going To Be? Our theme for the next SIT conference is going to be "Nothing But 'Net." What are your logo ideas??? We want your submissions!!!

When & Where Will The 2018 Conference Be? The 2018 Students Involved with Technology Conference is scheduled for: Saturday, February 10, 2018 at DeKalb High School, DeKalb, IL
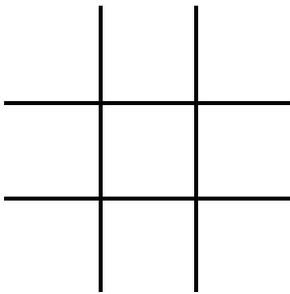
A Big Thanks To

DeKalb High School

Thanks for being a great host location for our conference day! We appreciate being able to bring students from Northern Illinois together for a day of technology learning and fun at DeKalb High School.
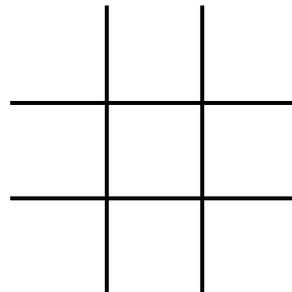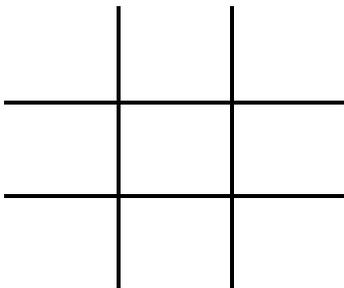
Our Statewide and Local Conference Supporters

Illinois State University Conference Services
Northern Illinois Convergence Lab
Northern Illinois STEM Outreach
Argonne National Laboratory
Select Screen Prints
Country Financial
State Farm
IlliniCloud
Alamo II
CDWG

Volunteers

This day would not be possible without our amazing volunteers and committee members. A huge thank you goes out to all of them for spending the day with us!

RED SESSION PRESENTATIONS
9:10-9:40 AM

Room	Presentations Title
W103	Coding with Robots
W106	Snap Circuits
W107	Virtual Reality Experience
W108	Code Your Way to Cool Music
W109	Lego EV3 Robotics
W110	GoPro Action
W111	Geometric Projections in Panoramic Photography
W113	Virtual Reality Experience
W113 Hall	Coding with Ollie and Sphero (Group 1)
W112	Minecraft Tips
N103	Mystery Challenge
N105	Logo Design for 2018
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Making Minecraft Skins
N118	Laser Engraving
Cafeteria	

ORANGE SESSION PRESENTATIONS
10:00-10:30 AM

Room	Presentations Title
W103	Make with Code
W106	XPlane Flight Simulator
W107	Virtual Reality Experience
W108	Stop Motion
W109	Lego EV3 Robotics (Repeat)
W110	Fun with Makey Makey
W111	Dream Car Racing
W113	Virtual Reality Experience
W113 Hall	Coding with Ollie (Group 2)
W112	It's Electric!
N103	Mystery Challenge
N105	Logo Design for 2018
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Making Minecraft Skins (Repeat)
N118	Laser Engraving (Repeat)
Cafeteria	Crowbotics – Steamworks Competition

YELLOW SESSION PRESENTATIONS
10:40–11:10 AM

Room	Presentations Title
W103	Made with Code (Repeat)
W106	XPlane Flight Simulator (Repeat)
W107	Virtual Reality Experience
W108	Stop Motion (Repeat)
W109	Lego EV3 Robotics (Repeat)
W110	Storyboard That
W111	Dream Car Racing (Repeat)
W113	Virtual Reality Experience
W113 Hall	Coding with Ollie & Sphero (Group 3)
W112	It's Electric! (Repeat)
N103	Mystery Challenge
N105	Logo Design for 2018
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Explore the Code – On Your Own
N118	Minecraft Room (Must have your own account)
Cafeteria	Crowbotics – Steamworks Competition

GREEN SESSION PRESENTATIONS
11:20-11:50 AM

Room	Presentations Title
W103	Animoto Book Trailers
W106	Snap Circuits
W107	Virtual Reality Experience
W108	Lego Stop Motion Films
W109	Lego EV3 Robotics (Repeat)
W110	Riffstation
W111	Skylanders
W113	Virtual Reality Experience
W113 Hall	Coding with Ollie (Group 4)
W112	Become a Blogger in 3 Easy Steps
N103	Mystery Challenge
N105	Logo Design for 2018
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Explore the Code – On Your Own
N118	Minecraft Room (Must have your own account)
Cafeteria	Crowbotics – Steamworks Competition

BLUE SESSION PRESENTATIONS
12:20-12:50 PM

Room	Presentations Title
W103	Scratch is Back!
W106	Are You Feeling Green?
W107	Virtual Reality Experience
W108	Lego Stop Motion Films (Repeat)
W109	Lego EV3 Robotics (Repeat)
W110	Riffstation (Repeat)
W111	Skylanders (Repeat)
W113	Virtual Reality Experience
W113 Hall	Coding with Sphero (Group 5)
W112	DIY Slime
N103	Mystery Challenge
N105	Google Earth
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Explore the Code – On Your Own
N118	Minecraft Room (Must have your own account)
Cafeteria	Crowbotics – Steamworks Competition

PURPLE SESSION PRESENTATIONS
12:55-1:25 PM

Room	Presentations Title
W103	Scratch is Back! (Repeat)
W106	Are You Feeling Green? (Repeat)
W107	Virtual Reality Experience
W108	Making Music and Games with Makey Makey
W109	Lego EV3 Robotics (Repeat)
W110	Riffstation (Repeat)
W111	The Past, Present, and Future of Gaming
W113	Virtual Reality Experience
W113 Hall	Coding with Ollie (Group 6)
W112	DIY Slime (Repeat)
N103	Mystery Challenge
N105	Google Earth (Repeat)
N107	STEM Activity (Argonne) & Cyber Chase
N113	UnMake It
N116	Explore the Code – On Your Own
N118	Minecraft Room (Must have your own account)
Cafeteria	Crowbotics – Steamworks Competition

RED SESSION DESCRIPTIONS

W103 from 9:10-9:40AM (RED)
Coding with Robots
Presenters: Payton Foster & Andre Schermerhorn
Target Audience is Grades 3-6
Hear how to code a robot named Sphero. We will show you many cool tricks. You may get a turn to use it for 2 minutes. It can change color and travel around.

W106 from 9:10-9:40AM (RED)
Snap Circuits   (Hands-On)
Presenters: Mazzy LaPlante, Isabella Rigaud & Abigail Slater
Target Audience is Grades 3-8
Let's work with circuits. We will show you how to do use these tools and then you will have time to create. Super fun!

W107 from 9:10-9:40AM (RED)
Virtual Reality Experience
Presenter: Bryan Tallitsch
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W108 from 9:10-9:40AM (RED)
Code Your Way to Cool Music
Presenters: Sara Hamilton & Lillian Hetland
Target Audience is Grades 3-6
Want to learn to code? Want to make some cool music? We'll play with the site: madewithcode.com and learn some simple coding.

W109 from 9:10-9:40AM (RED)
Lego EV3 Robotics   (Hands-On)
Presenters: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
The new version of LEGO Mindstorms software is free! Students will learn how to use the new software to accomplish various tasks, such as reaching a destination following a path, displaying custom text on screen, etc.

W110 from 9:10-9:40AM (RED)
GoPro Action
Presenter: Dan Rey
Target Audience is Any Age
Come check out what the Go Pro can do for you! It's worth taking into the action.

W111 from 9:10-9:40AM (RED)

Geometric Projections in Panoramic Photography

Presenter: Sergey Uzunyan
Target Audience is Any Age
Use of geometric projections in cartography and photography. Demonstration of assembly a panoramic image from multiple shots using free Hugin panorama photo stitcher application.

W113 from 9:10-9:40AM (RED)

Virtual Reality Experience

Presenter: Brandon Pham
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W113 Hall from 9:10-9:40AM (RED)

Coding with Ollie & Sphero

Presenters: Brayson Barnhardt, Tyler Diedrich, Jametric Harris, Eric Rosenow, & Trevor Thornton
Target Audience is Any Age
We've got some great robot friends to show you! Ollie and Sphero will do amazing things, as long as you know what to tell them to do. We will show you how to do simple programs and then you can try them out yourself.

W112 from 9:10-9:40AM (RED)

Minecraft Tips

Presenters: Julian Barrero & Owen Mooberry
Target Audience is Grades 3-6
We will share unknown tips about Minecraft to students who might be fairly new to the game.

N103 from 9:10-9:40AM (RED)

Mystery Challenge   (Hands-On)

Target Audience is Any Age
During this session you will complete a MYSTERY project according to the Challenge instructions provided! Prizes awarded for top competitors!

N105 from 9:10-9:40AM (RED)

Logo Design (Hands-On)

Target Audience is Any Age
Help design a logo for SIT 2018, where the conference theme will be "Nothing but NET." We'll provide the computer lab, software and instruction if desired or the paper, crayons, markers; you provide the creativity!

N107 from 9:10-9:40AM (RED)

STEM Activity and Cyber Chase   (Hands-On)

Presenter: Jessica Dietzel & Jacquie Otmanski, Argonne National Laboratory
Target Audience is Any Age

Participants will explore two hands on activities. The first activity includes using your hand as a battery to power a small electronic device. The second activity includes building your own battery using metal discs. Second Plus, you will have time to play a game titled Save the Park - Cyber Chase. Never heard of it . . . come check it out!

N113 from 9:10-9:40AM (RED)

UnMake It   (Hands-On)

Target Audience is Any Age

Remember the keynote from last year? He learned by taking things apart. Explore this room of technology that you can take apart! What is really inside this thing? See if you can take it apart and get it back together again.

N116 from 9:10-9:40AM (RED)

Making Minecraft Skins

Presenters: Kayleigh Budick, Chloe McKendry & Riley Payton
Target Audience is Any Age

The participants will learn how to use minecraft.novaskin.me, a minecraft skin editor. They will be able to try it out in the computer lab as the presenters instruct them and demonstrate.

N118 from 9:10-9:40AM (RED)

Laser Engraving

Presenter: Caeden Keith
Target Audience is Any Age

Ever wondering how laser engraving really works? We will take a look at the software components and see what is actually does inside the laser engraver. You will leave with a small token of the SIT Conference from the laser engraver.

Cafeteria from 9:10-9:40AM (RED)

ORANGE SESSION DESCRIPTIONS

W103 from 10:00-10:30 (ORANGE)
Made with Code   (Hands-On)
Presenters: Sophia Cintora & Emma Cohen
Target Audience is Grades 6-8
In this presentation, participants will learn how to use computer code to play games and do other activities. Chrome books will be provided.

W106 from 10:00-10:30 (ORANGE)
XPlane Flight Simulator
Presenter: Banks LaPlante
Target Audience is Any Age
Xplane is one of the most advanced flight simulator for the home computer. Come experience hundreds of life-like planes and airports.

W107 from 10:00-10:30 (ORANGE)
Virtual Reality Experience
Presenter: Bryan Tallitsch
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W108 from 10:00-10:30 (ORANGE)
Stop Motion   (Hands-On)
Presenter: Nyah Burnett
Target Audience is Any Age
Explore your creative side with Stop Motion. Create animations on your chromebook in a matter of minutes!

W109 from 10:00-10:30 (ORANGE)
Lego EV3 Robotics   (Hands-On)
Presenter: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
The new version of LEGO Mindstorms software is free! Students will learn how to use the new software to accomplish various tasks, such as reaching a destination following a path, displaying custom text on screen, etc.

W110 from 10:00-10:30 (ORANGE)
Fun with Makey Makey   (Hands-On)
Presenter: Adrian Springer
Target Audience is Any Age
Makey Makey is an invention kit for the 21st century. You can use it to turn everyday objects into keys for your computer. Come see everyday objects being turned into computer keys. Try it for yourself!

W111 from 10:00-10:30 (ORANGE)
Dream Car Racing
Presenters: Wyatt Coyle & Ruari Bengford-Breneisen
Target Audience is Grades 3-6
We will be describing the premise of the Race Game. We will have built a couple of vehicles and show how to do it. We will show how to use the Sand Box area for testing. We will talk about the multi-player part of the game.

W113 from 10:00-10:30 (ORANGE)
Virtual Reality Experience
Presenter: Brandon Pham
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W113 Hall from 10:00-10:30 (ORANGE)
Coding with Ollie
Presenters: Aiden Calvin, Lance Gonia, Wynton Mason & Mackenzie Olson
Target Audience is Any Age
Introducing Ollie. You will be amazed at the things it can do, as long as you know what to tell it to do. We will show you how to do simple programs and then you can try them out yourself.

W112 from 10:00-10:30 (ORANGE)
It's Electric!
Presenters: Ibrahim Bah & Manmadu Bah
Target Audience is Grades 3-6
Explore electricity with snap circuits and light bulbs.

N103 from 10:00-10:30 (ORANGE)
Mystery Challenge   (Hands-On)
Target Audience is Any Age
During this session you will complete a MYSTERY project according to the Challenge instructions provided! Prizes awarded for top competitors!

N105 from 10:00-10:30 (ORANGE)
Logo Design (Hands-On)
Target Audience is Any Age
Help design a logo for SIT 2018, where the conference theme will be "Nothing but NET." We'll provide the computer lab, software and instruction if desired or the paper, crayons, markers; you provide the creativity!

N107 from 10:00-10:30 (ORANGE)
STEM Activity and Cyber Chase   (Hands-On)
Presenter: Jessica Dietzel & Jacquie Otmanski, Argonne National Laboratory
Target Audience is Any Age
Participants will explore two hands on activities. The first activity includes using your hand as a battery to power a small electronic device. The second activity includes building your own battery using metal discs. Second Plus, you will have time to play a game titled Save the Park - Cyber Chase. Never heard of it . . . come check it out!

N113 from 10:00-10:30 (ORANGE)
UnMake It   (Hands-On)
Target Audience is Any Age
Remember the keynote from last year? He learned by taking things apart. Explore this room of technology that you can take apart! What is really inside this thing? See if you can take it apart and get it back together again.

N116 from 10:00-10:30 (ORANGE)
Making Minecraft Skins (Repeat)
Presenters: Kayleigh Budick, Chloe McKendry & Riley Payton
Target Audience is Any Age
The participants will learn how to use minecraft.novaskin.me, a minecraft skin editor. They will be able to try it out in the computer lab as the presenters instruct them and demonstrate.

N118 from 10:00-10:30 (ORANGE)
Laser Engraving (Repeat)
Presenter: Caeden Keith
Target Audience is Any Age
Ever wondering how laser engraving really works? We will take a look at the software components and see what is actually does inside the laser engraver. You will leave with a small token of the SIT Conference from the laser engraver.

Cafeteria from 10:00-10:30 (ORANGE)
Crowbotics – Steamworks Competition
Presenters: Connor Diaz, Grace Flemming, Meghan Gilmore,Caeden Keith, Noah Kimmel, Barry Taylor, and Andrew Tillotson
Target Audience is Any Age
We bet you have never seen a robot like this one! Our team has 6 weeks to build a robot from scratch that must climb, throw balls, and more around gears. Sound easy? Did we mention that we only have 6 weeks? We will compete with and against 50 other robots on April 1st. (Not a joke!) We are proud to show you our robot for the 2017 Steamworks Challenge.

YELLOW SESSION DESCRIPTIONS

W103 from 10:40-11:10 (YELLOW)
Made with Code   (Repeat) (Hands-On)
Presenters: Sophia Cintora & Emma Cohen
Target Audience is Grades 6-8
In this presentation, participants will learn how to use computer code to play games and do other activities. Chrome books will be provided.

W106 from 10:40-11:10 (YELLOW)
XPlane Flight Simulator (Repeat)
Presenter: Banks LaPlante
Target Audience is Any Age
Xplane is one of the most advanced flight simulator for the home computer. Come experience hundreds of life-like planes and airports.

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Virtual Reality Experience
Presenter: Bryan Tallitsch
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

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Stop Motion   (Repeat) (Hands-On)
Presenter: Nyah Burnett
Target Audience is Any Age
Explore your creative side with Stop Motion. Create animations on your chromebook in a matter of minutes!

W109 from 10:40-11:10 (YELLOW)
Lego EV3 Robotics   (Hands-On)
Presenters: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
The new version of LEGO Mindstorms software is free! Students will learn how to use the new software to accomplish various tasks, such as reaching a destination following a path, displaying custom text on screen, etc.

W110 from 10:40-11:10 (YELLOW)
Storyboard That
Presenters: Maddy Pabian & Trevor Pabian
Target Audience is Grades 3-6
Come see how you can create your own comic strips using StoryboardThat. Participants will sign up for a free account and have the chance to make your own comic. It's easy and a lot of fun!

W111 from 10:40-11:10 (YELLOW)
Dream Car Racing
Presenters: Wyatt Coyle & Ruari Bengford-Breneisen
Target Audience is Grades 3-6
We will be describing the premise of the Race Game. We will have built a couple of vehicles and show how to do it. We will show how to use the Sand Box area for testing. We will talk about the multi-player part of the game.

W113 from 10:40-11:10 (YELLOW)
Virtual Reality Experience
Presenter: Brandon Pham
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W113 Hall from 10:40-11:10 (YELLOW)
Coding with Ollie & Sphero
Presenters: Sydni Gibson, Ciara Jorgensen, Danika Patton & Madyson Reid
Target Audience is Any Age
We've got some great robot friends to show you! Ollie and Sphero will do amazing things, as long as you know what to tell them to do. We will show you how to do simple programs and then you can try them out yourself.

W112 from 10:40-11:10 (YELLOW)
It's Electric!   (Repeat)
Presenters: Ibrahim Bah & Manmadu Bah
Target Audience is Grades 3-6
Explore electricity with snap circuits and light bulbs.

N103 from 10:40-11:10 (YELLOW)
Mystery Challenge   (Hands-On)
Target Audience is Any Age
During this session you will complete a MYSTERY project according to the Challenge instructions provided! Prizes awarded for top competitors!

N105 from 10:40-11:10 (YELLOW)
Logo Design (Hands-On)
Target Audience is Any Age
Help design a logo for SIT 2018, where the conference theme will be "Nothing but NET." We'll provide the computer lab, software and instruction if desired or the paper, crayons, markers; you provide the creativity!

N107 from 10:40-11:10 (YELLOW)

STEM Activity and Cyber Chase   (Hands-On)

Presenter: Jessica Dietzel & Jacquie Otmanski, Argonne National Laboratory
Target Audience is Any Age
Participants will explore two hands on activities. The first activity includes using your hand as a battery to power a small electronic device. The second activity includes building your own battery using metal discs. Second Plus, you will have time to play a game titled Save the Park - Cyber Chase. Never heard of it . . . come check it out!

N113 from 10:40-11:10 (YELLOW)

UnMake It   (Hands-On)

Target Audience is Any Age
Remember the keynote from last year? He learned by taking things apart. Explore this room of technology that you can take apart! What is really inside this thing? See if you can take it apart and get it back together again.

N116 from 10:40-11:10 (YELLOW)

Explore the Code On Your Own   (Hands-On)

Target Audience is Any Age
Explore many different coding programs. They are so visual and fun that it will seem like you are playing a game.

N118 from 10:40-11:10 (YELLOW)

Minecraft Build Challenge (Hands-On)

Target Audience is Any Age
This session is for those students that want to enter the building competition. Come join us in the lab to find out what you need to create.
***Students must have their own Minecraft account to participate.

Cafeteria from 10:40-11:10 (YELLOW)

Crowbotics – Steamworks Competition

Presenters: Connor Diaz, Grace Flemming, Meghan Gilmore,Caeden Keith, Noah Kimmel, Barry Taylor & Andrew Tillotson
Target Audience is Any Age
We bet you have never seen a robot like this one! Our team has 6 weeks to build a robot from scratch that must climb, throw balls, and more around gears. Sound easy? Did we mention that we only have 6 weeks? We will compete with and against 50 other robots on April 1st. (Not a joke!) We are proud to show you our robot for the 2017 Steamworks Challenge.

GREEN SESSION DESCRIPTIONS

W103 from 11:20-11:50 (GREEN)
Animoto Book Trailers
Presenter: Isabelle Eisenman
Target Audience is Grades 3-8
I will show you a book trailer and talk about how you can use it to make presentations using the website.

W106 from 11:20-11:50 (GREEN)
Snap Circuits   (Repeat) (Hands-On)
Presenters: Mazzy LaPlante, Isabella Rigaud & Abigail Slater
Target Audience is Grades 3-8
Let's work with circuits. We will show you how to do use these tools and then you will have time to create. Super fun!

W107 from 11:20-11:50 (GREEN)
Virtual Reality Experience
Presenter: Bryan Tallitsch
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W108 from 11:20-11:50 (GREEN)
Lego Stop Motion Films
Presenter: Heidi Veldhuis
Target Audience is Grades 3-6
Short Stop motion films created using legos and a Chromebook

W109 from 11:20-11:50 (GREEN)
Lego EV3 Robotics   (Hands-On)
Presenters: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
The new version of LEGO Mindstorms software is free! Students will learn how to use the new software to accomplish various tasks, such as reaching a destination following a path, displaying custom text on screen, etc.

W110 from 11:20-11:50 (GREEN)
Riffstation
Presenters: Dante Avalos & Anahi Avalos
Target Audience is Any Age
Riffstation is an app and a website, it is free. Students can search a song in any language, and learn to play it on a guitar or piano. We will walk students through how to download and use the website. We will play the guitar reading the notes on the screen.

W111 from 11:20-11:50 (GREEN)
Skylanders
Presenters: Bryan Chesser & Payton Chesser
Target Audience is Any Age
We will be showing characters from the game and how to set up and play the game.

W113 from 11:20-11:50 (GREEN)
Virtual Reality Experience
Presenter: Brandon Pham
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W113 Hall from 11:20-11:50 (GREEN)
Coding with Ollie
Presenters: Christian Jordan & Calvin Vander Schee
Target Audience is Any Age
Introducing Ollie. You will be amazed at the things it can do, as long as you know what to tell it to do. We will show you how to do simple programs and then you can try them out yourself.

W112 from 11:20-11:50 (GREEN)
Becoming a Blogger in 3 Easy Steps
Presenters: Cora Billingsly & Marlowe Billingsly
Target Audience is Grades 9-12
Blogging is an excellent writing arena for budding scientists and authors because of the control over privacy, topics, and audience. We'll get you blogging in three easy steps.

N103 from 11:20-11:50 (GREEN)
Mystery Challenge   (Hands-On)
Target Audience is Any Age
During this session you will complete a MYSTERY project according to the Challenge instructions provided! Prizes awarded for top competitors!

N105 from 11:20-11:50 (GREEN)
Logo Design (Hands-On)
Target Audience is Any Age
Help design a logo for SIT 2018, where the conference theme will be "Nothing but NET." We'll provide the computer lab, software and instruction if desired or the paper, crayons, markers; you provide the creativity!

N107 from 11:20-11:50 (GREEN)

STEM Activity and Cyber Chase   (Hands-On)

Presenter: Jessica Dietzel & Jacquie Otmanski, Argonne National Laboratory
Target Audience is Any Age
Participants will explore two hands on activities. The first activity includes using your hand as a battery to power a small electronic device. The second activity includes building your own battery using metal discs. Second Plus, you will have time to play a game titled Save the Park - Cyber Chase. Never heard of it . . . come check it out!

N113 from 11:20-11:50 (GREEN)

UnMake It   (Hands-On)

Target Audience is Any Age
Remember the keynote from last year? He learned by taking things apart. Explore this room of technology that you can take apart! What is really inside this thing? See if you can take it apart and get it back together again.

N116 from 11:20-11:50 (GREEN)

Explore the Code On Your Own   (Hands-On)

Target Audience is Any Age
Explore many different coding programs. They are so visual and fun that it will seem like you are playing a game.

N118 from 11:20-11:50 (GREEN)

Minecraft Build Challenge (Hands-On)

Target Audience is Any Age
This session is for those students that want to enter the building competition. Come join us in the lab to find out what you need to create.
***Students must have their own Minecraft account to participate.

Cafeteria from 11:20-11:50 (GREEN)

Crowbotics – Steamworks Competition

Presenters: Connor Diaz, Grace Flemming, Meghan Gilmore,Caeden Keith, Noah Kimmel, Barry Taylor & Andrew Tillotson
Target Audience is Any Age
We bet you have never seen a robot like this one! Our team has 6 weeks to build a robot from scratch that must climb, throw balls, and more around gears. Sound easy? Did we mention that we only have 6 weeks? We will compete with and against 50 other robots on April 1st. (Not a joke!) We are proud to show you our robot for the 2017 Steamworks Challenge.

BLUE SESSION DESCRIPTIONS

W103 from 12:20-12:50 (BLUE)
Scratch is Back!
Presenter: Juan Jesus Blanco
Target Audience is Any Age
Scratch is a website that teach people to code with simple commands that can be made into complex creations. The people who came to this last year loved it so much that I simply had to bring it back! I will teach you the basics, but essential, parts.

W106 from 12:20-12:50 (BLUE)
Are You Feeling Green?
Presenters: Anastasia Albright & Damia Griffin
Target Audience is Grades 3-8
Come explore the fun of making green screen videos and photographs.

W107 from 12:20-12:50 (BLUE)
Virtual Reality Experience
Presenter: Bryan Tallitsch
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W108 from 12:20-12:50 (BLUE)
Lego Stop Motion Films (Repeat)
Presenter: Heidi Veldhuis
Target Audience is Grades 3-6
Short Stop motion films created using legos and a Chromebook

W109 from 12:20-12:50 (BLUE)
Lego EV3 Robotics   (Hands-On)
Presenters: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
The new version of LEGO Mindstorms software is free! Students will learn how to use the new software to accomplish various tasks, such as reaching a destination following a path, displaying custom text on screen, etc.

W110 from 12:20-12:50 (BLUE)
Riffstation (Repeat)
Presenters: Dante Avalos & Anahi Avalos
Target Audience is Any Age
Riffstation is an app and a website, it is free. Students can search a song in any language, and learn to play it on a guitar or piano. We will walk students through how to download and use the website. We will play the guitar reading the notes on the screen.

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Virtual Reality Experience

Presenter: Brandon Pham
Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W113 Hall from 12:20-12:50 (BLUE)

Coding with Sphero

Presenters: Josh Melms & Samantha Sweet
Target Audience is Any Age
Introducing Sphero. This little, round bot is more creative than you think. At least it is if you tell it how to be creative. We will show you how to do simple programs and then you can try them out yourself.

W112 from 12:20-12:50 (BLUE)

DIY Slime

Presenters: Kyrie Forrest, Sheyenne Lathrop & Makaylynn Newman
Target Audience is Any Age
Slime is a gooey substance it also a stress reliever. Slime is very soft and stretchy, and fun for friends and family. Make slime with regular household materials.

N103 from 12:20-12:50 (BLUE)

Mystery Challenge   (Hands-On)

Target Audience is Any Age
During this session you will complete a MYSTERY project according to the Challenge instructions provided! Prizes awarded for top competitors!

N105 from 12:20-12:50 (BLUE)

Exploring Google Earth

Presenter: Sydney Axelsen
Target Audience is Grades 3-8
Come take a virtual flight over some of the world's greatest landmarks while exploring Google Earth.

N107 from 12:20-12:50 (BLUE)
STEM Activity and Cyber Chase   (Hands-On)
Presenter: Jessica Dietzel & Jacquie Otmanski, Argonne National Laboratory
Target Audience is Any Age
Participants will explore two hands on activities. The first activity includes using your hand as a battery to power a small electronic device. The second activity includes building your own battery using metal discs. Second Plus, you will have time to play a game titled Save the Park - Cyber Chase. Never heard of it . . . come check it out!

N113 from 12:20-12:50 (BLUE)
UnMake It   (Hands-On)
Target Audience is Any Age
Remember the keynote from last year? He learned by taking things apart. Explore this room of technology that you can take apart! What is really inside this thing? See if you can take it apart and get it back together again.

N116 from 12:20-12:50 (BLUE)
Explore the Code On Your Own   (Hands-On)
Target Audience is Any Age
Explore many different coding programs. They are so visual and fun that it will seem like you are playing a game.

N118 from 12:20-12:50 (BLUE)
Minecraft Build Challenge (Hands-On)
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This session is for those students that want to enter the building competition. Come join us in the lab to find out what you need to create.
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Cafeteria from 12:20-12:50 (BLUE)
Crowbotics – Steamworks Competition
Presenters: Connor Diaz, Grace Flemming, Meghan Gilmore,Caeden Keith, Noah Kimmel, Barry Taylor & Andrew Tillotson
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We bet you have never seen a robot like this one! Our team has 6 weeks to build a robot from scratch that must climb, throw balls, and more around gears. Sound easy? Did we mention that we only have 6 weeks? We will compete with and against 50 other robots on April 1st. (Not a joke!) We are proud to show you our robot for the 2017 Steamworks Challenge.

PURPLE SESSION DESCRIPTIONS

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Target Audience is Any Age
Using the HTC vive and powerful PCs, try out a room scale virtual reality experience that puts you into a different world.

W108 from 12:55-1:25 (PURPLE)
Making Music and Games with Makey Makey
Presenter: Lukas Stubblefield
Target Audience is Grades 3-6
Find out how a simple circuit board can be used to make music and games.

W109 from 12:55-1:25 (PURPLE)
Lego EV3 Robotics   (Hands-On)
Presenters: Pettee Guerrero & Jeremy Benson, NIU STEM Outreach
Target Audience is Any Age
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W111 from 12:55-1:25 (PURPLE)
The Past, Present, and Future of Gaming
Presenter: Mohammad Hassan
Target Audience is Any Age
Have your ever wondered how your video games would look like in the future? How they are to the video games of the last decade? Travel in time with gaming to see how technology has evolved.

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Virtual Reality Experience
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Presenters: Caleb James & Josh Melms
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Connect FIVE Game

2 Players alternate turns filling in 1 square each at a time. Each player uses a different symbol (eg. X and O) or color to fill in their squares. The first player can fill in any square in the grid. On each following play, only squares connected to previously filled in squares are eligible to be filled in. The first player to fill in 5 squares in a row (vertical, horizontal or diagonal) wins.