



Write Code, Catch Bananas and Save the World In a mysterious land—a bad gorilla has stolen the “Code Monkey’s” bananas. Learn to write simple code phrases to guide the monkey across the screen to retrieve his missing fruit. Along the way, you will meet friends, like “Trusty Turtle,” who will help you on your journey. Join us and learn real programming while playing a fun game.

LOCATION: Room 511 | North Hall
PRESENTERS: Doug Streitenberger & Students | ESCC Computer Programming
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Use Your Superhero Powers Come and see if you can beat “Mo the Motoman” robot weld and if you can outsmart “Jo the Fanac” robot in a game of tic-tac-toe. Use your superhero intelligence to program an industrial robot and watch it run. See if you can outsmart the robots or if they are smarter than you.

LOCATION: Room 421 | East Hall—Engineering Lab
PRESENTERS: Dave Barth | ESCC Electrical Engineering Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Can You See Sound? Have you ever wondered how you can hear different sounds? Ever wonder how your brain recognizes noise? Can you see noise? We’ll discover how it all works—and we will make a bunch of noise too! Come learn how this all ties to a fun and interesting career in healthcare as a Medical Assistant.

LOCATION: Room 333 | South Hall
PRESENTERS: Yvonne Koors | ESCC Medical Assistant Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Take the Spaghetti Challenge—Cook It? Eat It? Or Build It? Master the secret of building a really tall spaghetti and marshmallow tower—and gain insight into the real-life processes of testing, development and prototyping that engineers and scientists use. Working in teams, you will race against the clock to build the highest possible tower—built entirely out of dried spaghetti and marshmallows. Explore various methods in order to create the tallest and strongest structure. Rebuild and alter your design to improve it. Come on, you’ve got this!

LOCATION: Room 401 | East Hall
PRESENTERS: Trisha Elliott & Roger Fulk | Workforce Development & Work-Based Learning
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3



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Barbie Bungee Jumping We are going to make math hands-on with games that challenge your brain. Let's throw it back to your childhood with toys from the past. Join us as we design a bungee-jump ride for a Barbie doll.

LOCATION: Room 503 | Emerson Center
PRESENTERS: Lisa Hartwig & Students | ESCC Math Department
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Own Your Own Coffee Shop Do you have what it takes run a coffee shop? You will become the owner of a virtual coffee shop. Buy raw ingredients including cups, coffee, milk and sugar—and mix them accordingly. Set a selling price and determine how to strike a balance between customer satisfaction and profit. Your mission is to earn as much cash as you can within 14 virtual days. How have your business choices affected your success? Can you become the next Starbucks®?

LOCATION: Room 202 | West Hall–2nd Floor
PRESENTERS: Marva Archibald & George Markin | ESCC Business Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

From Corn to Ice Cream—Agriculture is More Than Farming Ever wonder what makes a corn kernel grow or what lies beneath the ground you walk on? Join us and learn about the agriculture “circle of life.” Follow a kernel of corn from the time that it is planted—until the time it turns into something delicious to eat. We will explore the technology and science that agriculture uses to create many of the products you use every day—and we will wrap up with a sweet treat.

LOCATION: Room 209 | West Hall–2nd Floor
PRESENTERS: Brad Lentz & Agribusiness Students | ESCC Agriculture Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Help Eddie—He’s Sick and He Can’t Get Up! Come and play with “Eddie”—our human patient simulator. “Eddie” is a mannequin who can breathe and talk. “Eddie” is sick and needs your help. Use a stethoscope to listen to his heart and lungs. Explore nursing and join us for some fun, interactive activities.

LOCATION: Room 020B | North Hall
PRESENTERS: Michelle Dancer | ESCC Nursing Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3



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“Roll” Into Creative Code Curious about coding? Join us for a session where you can learn how to operate, drive and perform basic coding with Sphero Bots. These programmable robot balls are designed to inspire creativity and curiosity through coding and play. Complete hands-on activities and gain confidence in coding.

LOCATION: Tech Lounge | East Hall
PRESENTERS: Jessica Adams
SPONSOR: OSU | Miami County Extension Office
SESSIONS 1, 2, 3

Med Lab Tech—Is It for You? Are you curious? Are you a problem-solver? When you have a question—do you just *have* to find the answer? Then a career in Medical Laboratory Technology may be a good fit for you. We will explore the physical and chemical properties of urines and how they relate to diseases. Come and explore this essential and ever-changing diagnostic profession.

LOCATION: Room 344 | South Hall
PRESENTERS: Vickie Kirk & Hannah Shirk | ESCC Medical Lab Technician Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Brave the Winter Wonderland Do you think you can survive the “winter wonderland?” You will have to design a house constructed entirely out of candy and other holiday treats—and your house must withstand the not-so-sweet elements of one of the winter wonderland’s most intense blizzards. Can your foundation, roof and snow-woman withstand the vicious winter weather? Put your skills to the test and come prove how tough you are.

LOCATION: Room 070 | Cafeteria
PRESENTERS: Katie Hamilton, Lindzi Hoersten, Lauren Martin, Beth Mescher, Janell Miller, Gina Ramsey, Jordan Rapking, Taylor Schmitmeyer & Maria Vanderhorst
SPONSOR: Midmark Corporation
SESSIONS 1, 2, 3

Get a Clue—Ever Thought About Being a Crime Scene Investigator? Trigger warning: This session will include collecting evidence from a crime scene scenario and may include simulated bodily fluids and trace evidence commonly collected from sites of criminal offenses. Participants will handle actual equipment and supplies used by investigators to collect forensic evidence.

LOCATION: Room 426 | East Hall
PRESENTERS: Bruce Jamison & Security Officers | ESCC Public Safety
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3



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Oobleck—States of Matter Violation Have you ever made oobleck? Oobleck is made by mixing cornstarch and water in the right proportions to create a unique consistency. It can flow like liquid or behave like a solid. After creating your oobleck mixture, you will experiment, observe and record data about the substance. Students will then draw conclusions about the matter. Oobleck can be messy, so it's a good idea to wear an old shirt. Have fun exploring the fascinating properties of oobleck.

LOCATION: Room 241 | West Hall—2nd Floor
PRESENTERS: Kiala Clarke | ESCC Chemistry Department
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Escape With Copeland “Escape Rooms” provide fun and creative puzzles you must solve to get through barriers. Our “Escape” will challenge you to use different STEMM related technologies—computers, scanners, math, engineering, science, etc.—to find the clues that you will need to solve the puzzle. Come “Escape” and have fun with us!

LOCATION: Room 211
PRESENTERS: Kelli McEldowney, Stephanie Ernest, Aimee Naquit, Savita Maladkar, Sarah Huelskamp, Natalie Reed
SPONSOR: Copeland
SESSIONS 1, 2, 3

Physics is Phun Participate in a potpourri of physics demonstrations and activities. The results will be interesting and surprising.

LOCATION: Room 220 | West Hall—2nd Floor
PRESENTERS: Brian Murphy | ESCC Mathematics Department
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Racing Bristlebots—On Your Mark. Get Set. Go. Join this fun activity where tiny robots made from toothbrush heads zoom around in races. It's like a mini robot Grand Prix! The bots are powered by vibrations and it's all about speed and agility. Build your own bristlebot and get ready for some high-speed toothbrush action.

LOCATION: Room 458 | East Hall
PRESENTERS: Marissa Hill | ESCC Career Pathways Advisor
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3



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Language AI Arts–Technological Tools to Help You Write Explore digital tools for writing, creativity and productivity. Play with AI, mind-mapping, story-boarding and other interactive web-based tools that can make writing less stressful and more fun.

LOCATION: Room 321 | South Hall
PRESENTERS: Brian Leingang | ESCC English Department
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Why is Organization Important in Manufacturing? Participants will get the opportunity to learn about six sigma/lean six sigma through an interactive activity using a lean organizational tool called “5S.” This activity will illustrate the importance of organization in manufacturing.

LOCATION: Room 455 | East Hall
PRESENTERS: Alondra Saavedra Martinez
SPONSOR: Nitto, Inc. Engineering
SESSIONS 1, 2, 3

Explore the Mysteries of the Black Box In this engaging session, students will delve into the world of computer hardware by dismantling a desktop computer. Guided by an experienced instructor, you will gain hands-on experience as you take apart components, such as the CPU, motherboard, RAM modules and hard drive. This exploration will demystify the inner workings of a computer and provide a deeper understanding of technology. As screws are turned and wires are disconnected—you will uncover the intricate connections that power the digital world—making this session an unforgettable educational experience.

LOCATION: Room 443B | East Hall
PRESENTERS: Rich Valerio | ESCC Cybersecurity Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3

Helping People Get Better–Physical Therapy Assisting You will use critical thinking and problem-solving skills to determine the best way to put on a shirt with a hemi-pelagic arm simulation. Experience how it feels to have a visual deficit with simulation glasses as you complete a crossword puzzle. Figure out the most appropriate exercise equipment and weights to use based on a patient diagnosis and the best balance tool and activity based on a patient’s ability. You will also determine the safest way for a patient to walk with crutches over and around various obstacles.

LOCATION: Aerobics Room | Emerson Center
PRESENTERS: Sarah Young & Erynn Hanford | ESCC Physical Therapy Assisting Program
SPONSOR: Edison State Community College
SESSIONS 1, 2, 3



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“All I Need is the Air That I Breathe?” But... “It Takes Two, Baby” This interactive session will provide participants with an opportunity to see an actual pig heart/lung set (the closest to the human set as possible) and to study their basic anatomy. You will do a hands-on experiment demonstrating how we breathe and how an EMS provider assists a patient if they are barely breathing or not breathing at all.

LOCATION: Room 116 | West Hall

PRESENTERS: Heidi Jones & Rick Heironimus | ESCC Emergency Medical Technician Program

SPONSOR: Edison State Community College

SESSIONS 1, 2, 3

Making Coding a Reality with a Jousting Finch Robot Have you ever wondered how to bend a robot to your will through code? Wonder no more with this interactive session featuring the highly customizable and programmable Finch robots. You will experience a modern approach to the medieval practice of jousting by reliably and accurately manipulating your Finch robot. Will you accept the challenge of knocking that smug knight off of their high horse?

LOCATION: Room 331 | South Hall

PRESENTERS: Levi Smith | ESCC Computer Information Systems Program

SPONSOR: Edison State Community College

SESSIONS 2, 3

When Life Gives You Lemons... Make Lemonade! Build and run your own lemonade stand by the beach in the fictional town of Lemonsville. Manage inventory, perfect your recipe, determine pricing, advertise, upgrade and more. The goal is to make money and to learn that there is not lemon so sour that you can't make something resembling lemonade and sell it. Come and play with lemons without the sticky mess.

LOCATION: Room 221 | West Hall–2nd Floor

PRESENTERS: Sandra Streitenberger & Holly Stewart | ESCC Accounting Program

SPONSOR: Edison State Community College

SESSIONS 1, 2, 3

Can You Help Save Casper the Dog? Interested in working with animals? A career in veterinary medicine may be an option. Come visit with current Veterinary Technology students and perform CPR on a canine manikin and apply a bandage or splint. Learn the difference between fleas, ticks and mites—with the naked eye and under the microscope.

LOCATION: Room 323 | South Hall

PRESENTERS: Elizabeth Bingham & Vet Tech Students | ESCC Veterinary Technology Program

SPONSOR: Edison State Community College

SESSIONS 1, 2, 3



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Mining and Construction In this session, students will identify local rocks and minerals that are used to make buildings, bridges and sidewalks in the construction industry. We will work on forming the perfect mixture to hold the weight of tons of vehicles that travel along Ohio’s bridges and roads every day. As Ohio continues to grow as a center for business and industry, exciting and well-paying opportunities in mining and construction are plentiful. Participants will hear from women in the industry and get a glimpse of many of the possible STEMM related career paths that are available locally and statewide.

LOCATION: Room 113 | West Hall
PRESENTERS: Pat Jacomet
SPONSOR: Ohio Aggregates & Industrial Minerals Association
SESSIONS 1, 3

Abbott Mock Production Line In this session, you’ll have the opportunity to experience a mock production line creating a bottle of “product” as an Engineer, Scientist or Operator. Current women working in STEMM roles will be available to meet and ask questions. We hope to inspire rising talent today to be tomorrow’s problem solvers.

LOCATION: Room 115 | West Hall
PRESENTERS: Marissa Lewandowski & Abigail Richards
SPONSOR: Abbott Nutrition
SESSIONS 1, 2, 3

CAD/CAM/CNC Production In this session, we will demonstrate the ease and speed of using a CAD/CAM package to go from concept to machining on a CNC machine. This interactive session will encourage participants to agree on an engraving design, utilize the CAD/CAM software to create the “G” code program and to ultimately manufacture the product on a CNC machine.

LOCATION: Room 421 | East Hall–Engineering Lab
PRESENTERS: Mike Rowe & Steve Sykes | ESCC Engineering Department
SPONSOR: Hexagon AB & Edison State Community College
SESSIONS 1, 2, 3

Prioritize–Don’t Jeopardize Come play a game of Jeopardy and test how much you know. In this not-so-ordinary Jeopardy game, you will be quizzed on how and what lifestyle choices can affect your cancer risk. Stick around and let’s find out if you have what it takes to win the daily double!

LOCATION: Room 201 | West Hall–2nd Floor
PRESENTERS: Dr. Alisha Reiss, Jill Brown, Heather Kremer, Karen Drosch & Robyn Feitshans
SPONSOR: Wayne HealthCare
SESSIONS 1, 2, 3



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Invest \$ Today = A Brighter Tomorrow Don't short-change yourself when it comes to a better future. Discover how the financial choices you make today will determine tomorrow's success. Come and learn how to control your financial destiny—Princess or Pauper?

LOCATION: Room 222 | West Hall—2nd Floor

PRESENTERS: Diana Paulus & Evan Jameson

SPONSOR: Mutual Federal

SESSIONS 1, 2, 3



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