



EPIC 2020 CAREER CLUSTER ACTIVITIES

MARKETING

- Grab a mystery bucket and develop a brand for a popular food /drink item found inside the bucket.
- Compete against other teams in a product display contest.
- Go before a panel of experienced marketing professionals to present a marketing campaign you have developed.

BUSINESS, MANAGEMENT, ADMINISTRATION, FINANCE

- Join us for a game of Biz-onopoly. Match your wits against other players, build your assets, and take a chance as you strive to build a financially solvent pizza business.

HOSPITALITY AND TOURISM

- Do you have what it takes to become a Hospitality Olympic Champion? Find out as you participate in Hospitality Olympics, a fast past competition with 4 unique events.
- Become the next Top Chef. Learn the unique art of Garde Mange.
- Excellent service customers will not forget – expertly handle the crabbiest of customers. Play our interactive card game to learn how to improve your service skills.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

- It is the year of the Alpaca! Interact with real Alpaca animals while you learn about the science of farming. Learn about cow and chicken biology, test real milk samples to see how proper nutrition for dairy cattle affects the milk we drink, and explore tools used to monitor animal health.
- Take a selfie with Sammy the Soil mascot and complete challenges using the virtual sandbox and rainfall simulator. Perform water tests to locate bacteria and learn about water filtration.
- Curious about nuclear science? Experiment with our nuclear reactor – candy operated and perfectly safe of course!

ARTS, AUDIO/VIDEO TECHNOLOGY & NATURAL RESOURCES

- So you think you have talent and an interest in the Arts? We invite you to put it to the test as you create unique designs and put them together with needle and thread.
- Explore the world of professional photography and videography. Participate in a professional photo shoot and practice driving a real drone – no driver's license required.
- Learn about the graphic design industry. Practice vehicle wrapping and create your own magazine ad from start to finish.

INFORMATION TECHNOLOGY

- Explore the world of GIS (Geographic Information Mapping) at our augmented reality sand table. Use your hands to make a landscape

come to life. Create an elevation color map complete with topographic contour lines and simulated water features.

- Learning about computer hacking and cyber security. Participate in a hacking activity, experience the effects of hacking, and learn how to prevent it.
- Have you ever wondered about the connection between computer coding and your favorite gaming experience? Learn how to live code and practice on-the-fly programming to see how small changes impact gaming.

TRANSPORTATION, DISTRIBUTION, LOGISTICS

- Driverless technology is here! Try your hand at operating a full size skid loader right from the comfort of your cell phone. Build a road to "specs" using a remote control dump truck and bulldozer to spread and shape sand according to plan.
- Want to know how they make a car look brand new after a crash? Learn about the world of auto body collision repair and practice your skills in the airbrush paint booth and paint simulator.
- And what about the driving side of the industry? See a variety of vehicles on display while you participate in the technician challenge. Meet a local Sprint car driver and tour a Sprint car. See the Subaru Rally car and driver.

MANUFACTURING & STEM

- Get an introduction to the world of machining. Use precision measuring equipment for assembly and inspection activities.
- Use solid modeling software to design a 3D pizza cutter and print it out on the 3D printer.
- Experience welding through virtual reality.

ARCHITECTURE & CONSTRUCTION

- Discover the world of architecture and construction through a variety of virtual reality experiences. Go inside an actual wind turbine, feel on top of the world as you experience the Minneapolis skyline and try your hand at designing a home.
- Put your mechanical and creative skills to the test as you utilize common hand tools found in the construction industry to create a masterpiece or two.

HEALTH SCIENCE

- Work alongside professional respiratory therapists to learn how to do CPR and how to perform intubations with scopes and fiber optic cameras.
- Have you dreamed about being a nurse or doctor in the birth center? Now's your chance! Our birth simulation will let you step into a live birth- mother, baby and all that goes with real birth in a hospital setting.
- Enter the world of microbiology. Identify your blood type and

discover what the word "agglutination" means. Use laboratory equipment to learn how to separate specific "bacteria" from a sample containing a mixture of microorganisms.

- Take a virtual reality tour of a surgical suite while a surgery is in session. Get hands on with the tools and implants used in knee and hip replacement surgeries and play "Operation" using a real laparoscopic belly and scope. Will you buzz out or operate error free?
- Get your CSI – Crime Scene Investigation- on in our dental forensics station.

EDUCATION & TRAINING

- Learn about how our brains grow and develop as you follow the clues and solve the clues to conquer the Education & Training escape room.

HUMAN SERVICES

- Game-a-palooza! We've got Jeopardy, Minute to Win It, Memory and Pictionary all in one place. Match your knowledge and expertise to a series of mental challenges that help you explore the human services career field.
- Do you wonder what it would be like to navigate the world without full visual, physical, or hearing capabilities? Navigate our "In Their Shoes" simulation course while using vision distortion goggles, earplugs, a wheelchair, walker, etc.
- Simulate caring for an infant with our "Reality Works Babies".

GOVERNMENT & PUBLIC ADMINISTRATION

- Interested in learning where city and local governments get their money? Come explore how cities get money and decide which programs and services to fund. Dive into the city budgeting process and become part of a city council debate.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

- Check out an Army Humvee and other military equipment. Test your strength with the U.S. Marine Corp pull up challenge.
- Get "booked" into jail while learning about the Correctional Officer role in the criminal justice system. Just make sure you bring a friend to bail you out.
- Watch K9 demonstrations and hang out with Bloodhound K9 "Storm" and Narcotics K9 "Eddie". See a mobile dispatch center and police squad car communication in action.
- Do you have what it takes to be a firefighter? Try on real firefighting equipment and test your skills.
- Do some crime busting by practicing evidence collection in our mock crime scene, identify counterfeit money and IDs, and interact with a real SWAT team and their equipment.
- Experience what it feels like to testify in court. Become a witness to a crime and get cross-examined by an attorney.