

## A Student's Passport to EXPLORE

Name: \_\_\_\_\_

School: \_\_\_\_\_

September 11, 2019

# Welcome to EXPLORE!

EXPLORE is a U-46 community, curriculum, and career expo designed for you to have the opportunity to explore various careers within the 16 nationally recognized career clusters and aligned to their interests. It also allows you to think about the coursework you may want to take in order to achieve your goals and graduate college and career ready. The event is designed to demonstrate the connection between academics and careers, and to encourage you to think about what college or career path you might want to follow.

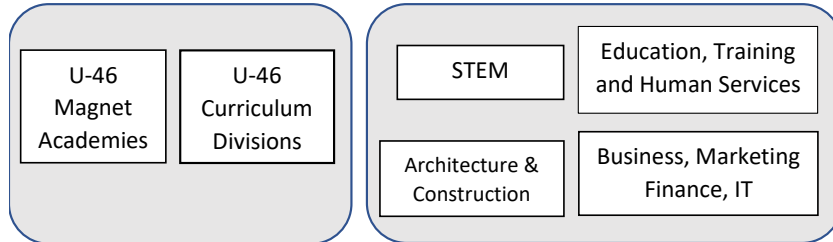
The Sears Centre is a large place, and we want to help you navigate it. In this passport, you will find a map of the exhibits and a list of all of the exhibitors. You will also find the scavenger hunt that you will complete during the event.

We hope you enjoy your time at EXPLORE and we look forward to supporting your academic and social-emotional growth in the years to come!

## National Career Cluster Framework

- Agriculture, Food & Natural Resources
  - Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
  - Education & Training
    - Finance
- Government & Public Administration
  - Health Sciences
  - Hospitality & Tourism
  - Human Services
  - Information Technology
- Law, Public Safety, Corrections & Security
  - Manufacturing
  - Marketing
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics Management

## North and West Concourse Maps



### **U-46 Magnet Academies**

STEM  
 Gifted and Talented  
 World Language  
 Visual and Performing Arts  
 BEACON

### **STEM Science, Technology Engineering and Math**

Advocate Sherman Hospital-  
 Facilities Engineering  
 City of Elgin Facilities Maintenance  
 Elgin Community College - STEM  
 Fermilab  
 HLR Engineering  
 U-46 Engineering

### **Architecture and Construction**

Fabric Images, Inc.  
 Judson University Architecture

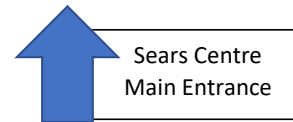
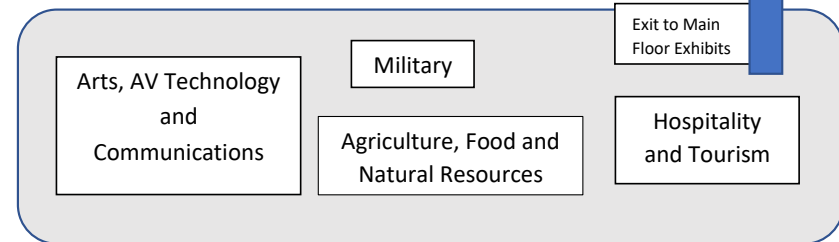
### **Education/Training/Human Services**

ECC - Early Childhood  
 ECC - Dual Credit  
 ECC Admissions and Guidance  
 ECC Talent Search/Upward Bound  
 Gail Borden Library - Studio 270  
 Judson University - Education  
 Two Rivers Head Start  
 U-46 Early Education Program  
 United Way of Metro Chicago

### **Business, Marketing, Finance, IT**

Blackhawk Bank  
 Duluth Trading Company  
 Elgin State Bank  
 Judson University - Business  
 Junior Achievement  
 KCT Credit Union  
 Symonds-Madison Funeral Home  
 U-46 Business Programs  
 U-46 IT and Information Systems  
 XAT Media

## South Concourse Map



### **Hospitality and Tourism**

City of Elgin Parks & Recreation  
 Elgin Convention & Visitor's Bureau  
 NW Special Recreation Association  
 Quality Inn Elgin  
 Windy City Bulls  
 YMCA

### **Military**

Air Force  
 Army  
 Coast Guard

### **Arts, AV Technology and Communications**

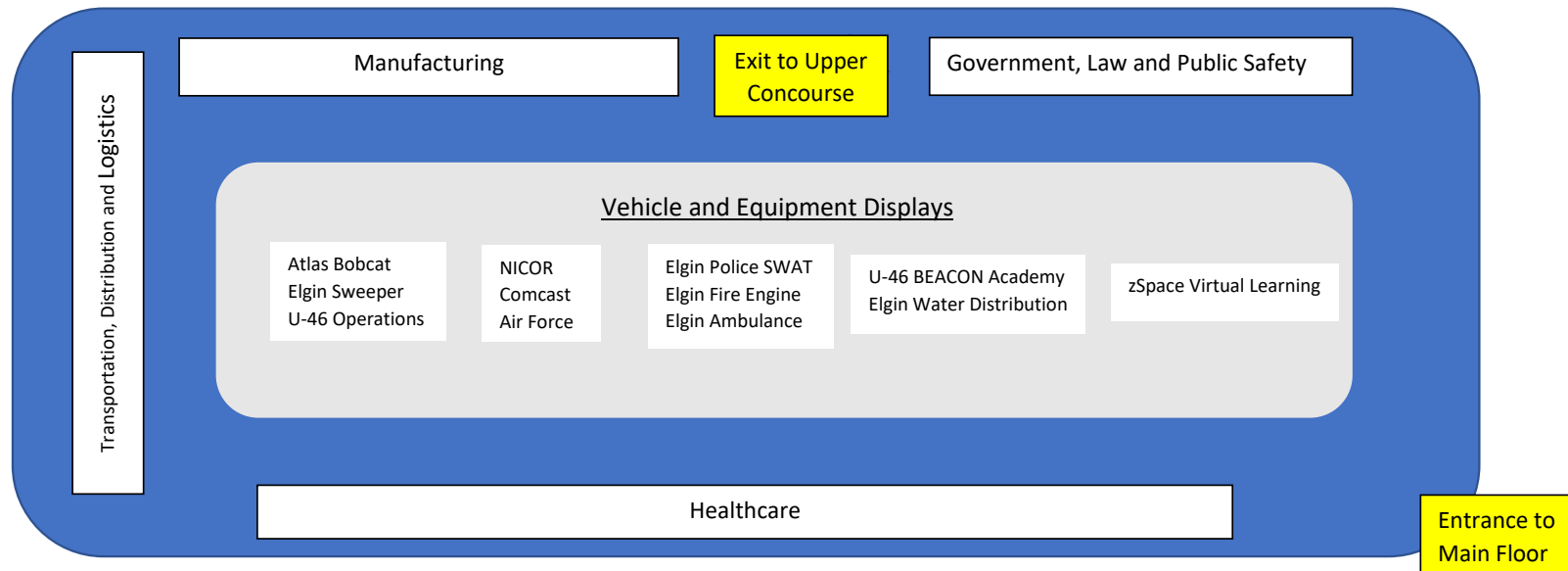
Comcast  
 ECC Digital Photography/Art  
 Elgin Symphony Orchestra  
 Motorola

### **Agriculture, Food and Natural Resources**

ECC Culinary Arts  
 U-46 Culinary Arts  
 U-46 Food and Nutrition Services

# EXPLORE 2019

## Sears Centre Main Floor Map



### Manufacturing

DSM Functional Materials  
 ECC Integrated Manufacturing Technology  
 ECC Industrial Maintenance/IST/HVAC  
 ECC Welding  
 HARTING Inc., of North America  
 Hoffer Plastics  
 MKD Electric, Inc.  
 NTN Bearing  
 U-46 Precision Manufacturing  
 U-46 Welding Program

### Healthcare

Advocate Sherman Hospital  
 Programs/Departments:  
 Clinical Laboratory Science  
 Food & Nutrition Services  
 Education/Injury Prevention  
 Histology  
 Hospital Housekeeping  
 Medical Translator/Interpreter  
 Nuclear Medicine  
 Patient Care Technician  
 Medical Assisting  
 Phlebotomy  
 Physical, Occupational and  
 Speech Therapy  
 Radiology/Ultrasound/X-ray/CT  
 Surgical Technology/Periop Nurse

### Healthcare

AVID Certified Nursing Assistant  
 CASE Hospital/Vet Services  
 ECC Surgical Technology  
 ECC Dental Assisting  
 ECC Massage Therapy  
 ECC Nursing  
 Lombard Veterinary Hospital  
 Streamwood Behavioral Health  
 YWCA CNA internships

### Transportation, Distribution and Logistics

U-46 Automotive Program  
 U-46 Operations and Distribution  
 U-46 Transportation

### Government, Law and Public Safety

Elgin Fire Department  
 Elgin Police Detective  
 Elgin Police Emergency  
 Communications  
 ECC Paralegal  
 ECC Public Safety/Fire Science  
 Kane County Sheriff  
 U-46 Legal Department  
 Village of South Elgin

Exhibitors by Industry Cluster	Exhibit Description
<b>Agriculture, Food &amp; Natural Resources</b>	
ECC Culinary Arts	Meet the ECC Culinary Arts program staff.
U-46 Food and Nutrition Services	Explore careers in food sciences, nutrition and culinary arts.
<b>Architecture &amp; Construction</b>	
Atlas Bobcat	Study the art of automotive and large equipment manufacturing for construction and transportation industries.
Fabric Images, Inc.	Explore how to combine art, design and engineering careers in the exhibit industry.
Judson University - Architecture	Visit with Judson University faculty to learn more about the university's architectural program.
<b>Arts, A/V Technology and Communications</b>	
Comcast	Learn how Comcast shapes the future of media and technology.
Elgin Community College - Digital Photography/Art	Study the various media involved in digital art.
Elgin Symphony Orchestra	Enjoy meeting professional musicians and learn more about the Elgin Symphony Orchestra.
Motorola	Learn about the design and manufacturing of communications devices.
<b>Business Management &amp; Administration, Finance, and IT</b>	
Blackhawk Bank	Talk directly with financial services experts in commercial and personal lending.
Duluth Trading Company	Understand the role of marketing and customer satisfaction in a large retail setting.
Elgin State Bank	Explore the many careers offered in financial services.
Judson University - Business	Visit with the Judson University faculty to learn about degrees in the university's business department.
Kane County Teacher's Credit Union	Learn about personal finance and money management.
Symonds-Madison Funeral Home	Discover how embalming machines work to understand the field of mortuary science.
U-46 Business Programs	See what U-46 has to offer in career and technical education for business, marketing and information technology.
U-46 Information Systems and Technology	Understand the importance of IT functionality in managing large population databases.
XAT Media	Interact with subject experts in digital technology and graphic design.
<b>Education, Training and Human Services</b>	
Elgin Community College - Admissions, Guidance and Dual Credit	Learn about ECC admissions and the opportunity for dual credit while enrolled in high school.
Elgin Community College - Early Childhood	Explore a career in working with children birth to age 4.
Elgin Community College - Talent Search/Upward Bound	Participate in after school and summer career education enrichment programs.
Gail Borden Public Library - Studio 270	Teen Center and Digital Media Lab
Junior Achievement	Learn about JA's programs to foster work-readiness, entrepreneurship and financial literacy skills.
Two Rivers Headstart	Understand the importance of early education and the necessity for Kindergarten readiness.
United Way of Metro Chicago	Learn how United Way engages in career and technical education.
U-46 Early Education Program	Discover teaching opportunities for early education and Kindergarten readiness.
zSpace	Explore virtual learning across multiple industry clusters.

Government, Law and Public Safety	
City of Elgin Fire Department - Paramedic	Discover what skills are required to be an emergency response provider for fire services.
City of Elgin Fire Department - Fire Fighter	Understand the principles of fire safety and the training required to join a fire fighter team.
City of Elgin Police SWAT/Field Training	Visit with the S.W.A.T team to explore special weapons and emergency response tactics.
City of Elgin Police Emergency Communications	Understand how a typical 911 system operates and its importance to a community.
City of Elgin Special Investigations and Recruitment	Explore the field of criminal justice and investigative research.
City of Elgin Water Distribution	Learn how city government's must manage their water resources for safety and conservation.
Elgin Community College - Paralegal	Explore the legal field to learn of opportunities in the private and public sectors.
Elgin Community College - Public Safety and Fire Science	Visit with public safety officers to learn how their jobs protect the safety of the community.
Kane County Sheriff's Office	Learn about the many responsibilities of a county sheriff's office and programs it manages.
U-46 Legal Department	Learn about the field of law and its many applications in the second largest school district in the State.
Village of South Elgin Public Administration	Explore the many careers available in municipalities by engaging with city officials.

Health Sciences	
Advocate Sherman Hospital - Clinical Laboratory Science	Explore the field of medical laboratory technology and experimentation.
Advocate Sherman Hospital - Food & Nutrition Services	Learn about the importance of food and nutrition to promote improved health and avoid specific health risks.
Advocate Sherman Hospital - Health Education/Injury Prevention	Will discuss teen health and introduce students to the health career website.
Advocate Sherman Hospital - Histology	Learn the science of viewing and interpreting specimen slides under a microscope.
Advocate Sherman Hospital - Hospital Housekeeping	Explore how hospitals prevent the spread of disease through rigorous sanitation procedures.
Advocate Sherman Hospital - Nuclear Medicine	Discover the importance of a strong science background for careers in nuclear medicine.
Advocate Sherman Hospital - PCT and Medical Assisting	Receive your initial patient care certification while still in high school.
Advocate Sherman Hospital - Phlebotomy	Learn proper techniques to draw blood specimens.
Advocate Sherman Hospital - Physical and Occupational Therapy	Explore the fields of occupational and physical therapy to treat and prevent injury.
Advocate Sherman Hospital - Radiology/Ultrasound/X-Ray/CT	Explore the field of medical imaging to diagnose and treat injury and illness.
Advocate Sherman Hospital - Surgical Technology/Periop Nurse	Discover what it is like to be part of an operating room team.
Advocate Sherman Hospital - Translator and Interpretive Service	Learn about the need for translators for many languages in the medical field
AVID CNA School and YWCA	Discuss with YWCA professionals the Certified Nursing Assistant program.
CASE Hospital/Veterinary Services	Learn about a state of the art emergency speciality and integrative medical facility.
Elgin Community College - Dental Assisting	Visit with ECC instructors to learn about degrees and certificates offered in the dentistry field.
Elgin Community College - Massage Therapy	Observe how to use touch to manipulate muscles and tissue for pain relief and wellness.
Elgin Community College - Nursing	Explore the educational requirements needed for nursing, one of the highest demand careers for the next decade.
Elgin Community College - Surgical Technology	Visit with ECC instructors to learn more about surgical technology, sterile processing and distribution.
Greater Elgin Family Care Center	Learn about nursing, medical assisting and other health care careers.
Lombard Veterinary Hospital	Learn the education required to become a veterinarian and the many career opportunities in the field.
Streamwood Behavioral Healthcare System	Visit with Streamwood Behavioral to learn more about mental health professions.
U-46 Health Care Science Program	Start your health care career while in high school earning industry certifications.



<b>Hospitality &amp; Tourism</b>	
City of Elgin Parks & Recreation	Study the importance of the parks and recreation function for a community's healthy lifestyle.
Elgin Area Convention & Visitor's Bureau	Explore the role of a visitor's bureau to promote the assets of a community.
Northwest Special Recreation Association	Learn how this organization provides recreational opportunities for children and adults with disabilities.
Quality Inn Elgin	Visit with Quality Inn staff to explore careers in hotel management.
Windy City Bulls	Explore the field of sports information, management and promotion.
YMCA	Learn more about the training required to be an athletic or personal trainer.
<b>Manufacturing</b>	
DSM Functional Materials	Learn how manufacturing companies can affect sustainable living.
Elgin Community College - Integrated Manufacturing Technology	Study the principles of precision manufacturing across multiple product applications.
Elgin Community College - Industrial Systems Technology/HVAC	Discover the field of industrial maintenance and its critical role in manufacturing industries.
Elgin Community College - Welding	Understand the importance of precision welding to the metals industry.
Elgin Sweeper	Visit with Elgin Sweeper, professionals in the business since 1914, with the latest technology for cleaning streets.
HARTING Inc. of North America	Learn about industrial technology in the environment of creating connectivity solutions.
Hoffer Plastics	Explore the field of custom plastic injection molding to produce a variety of parts and product lines.
MKD Electric, Inc.	Visit with MKD Electric to learn more about the company's industrial electrician apprenticeship program.
NTN Bearing	Explore NTN and its global manufacturing operations, recognized for its history of statistical process control.
U-46 Precision Manufacturing	Discover what programs are available to you in high school to learn about jobs in precision manufacturing.
U-46 Welding Program	Learn more about the high demand for welders and the education required to manipulate materials.
<b>Military</b>	
Air Force	Discover the branch of military service responsible for aerial and space warfare.
Army	Explore the branch of military service responsible for land warfare service.
Coast Guard	Explore the Coast Guard and its function in national and international security settings.

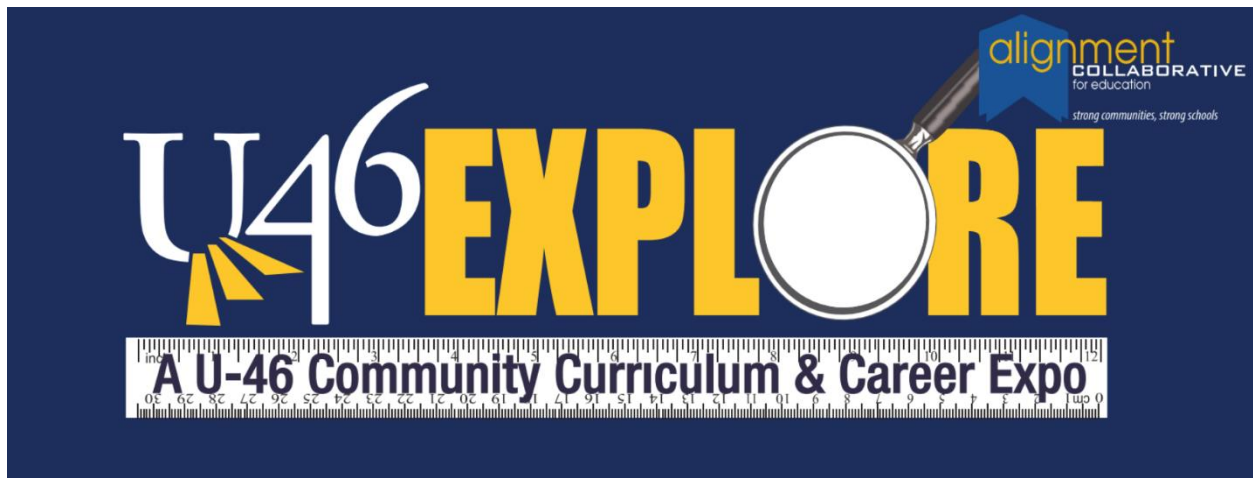
<b>STEM</b>	
Advocate Sherman Hospital - Facilities Engineering/HVAC	View a demo of Advocate's geo-thermal lake and sample heating devices
City of Elgin - Building Maintenance	Learn about careers in Electrical Maintenance, HVAC, Plumbing and Carpentry.
Elgin Community College - STEM/Biotechnology	Visit ECC students and faculty to learn more about biotechnology in STEM careers.
Fermilab	Explore the field of advanced particle physics by learning about the use of accelerators and detectors.
HLR Engineering	Experiment within the field of civil engineering.
Nicor Gas	Learn more about STEM careers and how Nicor shapes the future of energy.
U-46 Engineering Program	Understand the importance of engineering principles in design and operational settings.
<b>Transportation, Distribution &amp; Logistics</b>	
U-46 Automotive Program	Learn about the operation and repair of automotive engines.
U-46 Operations, Logistics and Distribution	Explore the types of jobs offered in operations, logistics and distribution.
U-46 Transportation Department	Learn about mass transit operations, scheduling and safety procedures.

# EXPLORE Scavenger Hunt

Fill in your top 3 Career Clusters of interest:

- 1.
- 2.
- 3.

Visit a table with a hands-on <b>activity</b> .	Visit a table focuses on a career in the <b>medical field</b> .	Visit one of the <b>vehicles</b> being exhibited.
Visit with a <b>U-46 Magnet Academy</b> .	Visit a table that represents the <b>Education or Training</b> cluster.	Visit a table that showcases a career that requires <b>at least a 4 year college degree</b> .
Visit a table that represents a <b>class you could take in high school</b> .	Visit a table that represents the <b>Law, Public Safety, Corrections, Security, Law enforcement</b> cluster.	Find a table with a program offered at <b>Elgin Community College</b> .
Visit a table that represents the <b>Business, Management, and Administration</b> cluster.	Find a career you have never heard about.	Find one branch of the <b>military</b> .



***Thank You to Our Sponsors!!!***

**Career Champions**

**Nicor    Sears Centre**

**Career Mentors**

**City of Elgin    Comcast    Elgin Symphony Orchestra    Lauderdale Electric**

**Career Builders**

**Advocate Aurora Health    Blackhawk Bank**

**Gilmore Marketing Concepts, Inc.**

**Hampton, Lenzini and Renwick, Inc.    Harting US**

**KCT Credit Union    Mechanical Services Associates    Wolko Design**

**Career Backers**

**American NTN Bearing    Elgin Community College    Elgin State Bank**

**Elgin Sweeper    Gail Borden Public Library    Mueller    Shales McNutt Construction**

**Streamwood Behavioral Healthcare System    TBK Bank**