

# CAREER & WORKFORCE DEVELOPMENT



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## Agriculture, Food, and Natural Resources

### Natural Resources Systems

#### Careers in Forestry: Research Assistant

Follow along with Katrina Deinton to learn about being a Research Assistant in the forestry industry. (2 min)

#### Careers in Forestry: Planning Manager

Follow along with John Hair to learn about being a Planning Manager in the forestry industry. (2 min)

#### Careers in Forestry: General Forester

Follow along with Regional Ecologist, Jenny Mulgrew and Assistant Forest Manager, Jamie Adcock to learn about being a General Forester in the forestry industry. (2 min)

#### Careers in Forestry: Design & Manufacture

Follow along with Claire Coquet to learn about being a Design Engineer in the forestry industry. (2 min)

#### Careers in Forestry: Harvester Operator

Follow along with Scott MacFarlane to learn about being a Harvest Operator in the forestry industry. (2 min)

#### Tree Farm

Experience what it's like to work on a tree farm. (2 min)

#### Logging

Experience what harvesting trees on a farm is like. (2 min)

#### Mill

See what is done to trees to get them ready for the mill. (2 min)

#### Driving a Loading Truck | Forestry

Pick up harvested trees, referred to as logs, and load them onto trucks to be transported out of the forest. (4 min)

#### Forestry Machinery

Experience the machinery used in the forestry industry. (5 min)

#### Log Truck | Forestry

Experience a log truck as it gets loaded. (3 min)

#### Timber Harvesting VR Experience |

##### Fellerbuncher

Follow along and learn what a Fellerbuncher does in Timber Harvesting. (2 min)

##### Timber Harvesting VR Experience |

##### Loader

Follow along and learn how a Loader is used in Timber Harvesting. (2 min)

##### Timber Harvesting VR Experience |

##### Processor

See how a Processor is used in Timber Harvesting. (2 min)

### Animal Systems

#### A Day in the Life of a Rangeland Manager

Billy Freeman (an honest-to-gosh cowboy) introduces us to the McKenzie Ranch at the Sierra Foothill Reserve in Clovis, California. (7 min)

#### Tour of a Chicken Processing Plant

Learn about the processing plant and how chickens are handled while getting ready to go to market. (4 min)

#### Mink Farm Tour

See inside a working Canadian mink farm and learn all about how minks are cared for and how Canadian mink farmers produce high-quality products for the industry. (7 min)

#### Egg Grading and Processing Tour

See inside a working Canadian egg processing facility and see for yourself what happens to an egg between the farm and your table. (7 min)

#### Canadian Free-Run Egg Farm Tour

In this 360° tour, you'll learn what makes eggs "Free Run", what the hens eat, how hens are cared for, as well as how solar power is generated to meet this farm's needs. (5 min)

#### Canadian Pig Farm Tour

See inside a working Canadian pig farm and learn all about how pigs are cared for, what they eat, where they live, and how Canadian pig farmers keep their animals entertained and healthy. (10 min)

#### Getting Licked by a Cow in Ireland

Get up close and personal with cows. Now you'll know what it's like to be licked and sniffed by them. (1 min)

#### Farm Food Tour – Egg

Welcome to Megan's egg farm in Southwestern Ontario, Canada. You'll learn about biosecurity, egg collection, how hens are cared for, and much more. (6 min)

#### Farm Food Tour – Sheep

Welcome to Peter and Elly's sheep farm. See how this Canadian family raises sheep on pasture, in the barn, and during transport. (7 min)

#### Farm Life - Virginia Beef Cattle

Follow along as Virginia farmers care for Beef Cattle. (1 min)

#### Farm Life - Virginia Chicken House

Take a look at how a Chicken house works and is run. (1 min)

#### Farm Life - Virginia Dairy Cow Milking

See up close how cows are milked and the process of milking. (2 min)

#### New Foals at the UC Davis Horse Barn

Follow Dr. Amy McLean as she gives an overview of the research herd that is a part of the UC Davis animal science horse barn and stallion internship program. (2 min)

#### Organic Chicken Egg Farm Tour

Learn what it takes for an egg to be considered organic. (1 min)

#### Smithfield Sow Farm Tour

Take a virtual tour of Smithfield's sow farm and learn about the care and work that goes into taking care of their hogs. (6 min)

## Smithfield Wean-to-Finish Farm Tour

Step inside one of Smithfield Farm's wean-to-finish farms, a combination of the nursery and finishing stages of hog production, where piglets live and grow until they reach market weight. (5 min)

## Take a Tour of a Chicken Farm

Follow along with a farmer as he goes over how broiler chickens (meat chickens) are raised until they are big enough to be sold for meat. (5 min)

## USPOULTRY's Turkey Farm Virtual Tour

Experience how young turkeys are raised and the care they are given by the farmer who is raising them. (6 min)

## Voluntary Milking System Dairy Farm

This Canadian family dairy farm uses a Voluntary Milking System which enables their cows to decide when they would like to be milked. (6 min)

## Food Products & Processing Systems

### AeroFarms: The Future of Farming

See how AeroFarms in Newark, NJ grows over 2 million pounds of greens a year without sunlight, soil, or pesticides, making it the world's largest indoor vertical farm. (2 min)

### USCC Compost Equipment Demo Day 2017

Join the US Composting Council Equipment Demo Day in Los Angeles and see different machines that are used in the composting process. (6 min)

### Virtual Food Tour: Cheese Processing

Find out how cheese is processed - from the time the milk leaves a Canadian family dairy farm to the time it reaches your table. (6 min)

### Virtual Food Tour: Milk Processing

Learn how milk travels from a Canadian family dairy farm to a processing facility where it is made ready for your family's table. (6 min)

## Story of Oats

In this 360 video tour, you'll get to see how oats are transformed from a plant in the field to the food on your table. (6 min)

## Custom Foods Plant Tour

Tour the Custom Foods' manufacturing facility in De Soto, Kansas, and see how food is manufactured. (3 min)

## In the Mix with Furlani's Food Corporation

Tour of Furlani's Food Corporation, a premier manufacturer of fresh and frozen bread. (3 min)

## Plant Systems

### Peanut Harvest

Heath Donner of Mississippi County takes us along for a 360 view of harvesting peanuts. (1 min)

### Wheat Harvest

Ride along with a farmer through the various processes involved in harvesting wheat from a field. (3 min)

### Canadian Apple Orchard Tour

In this 360 tour, you'll get to tour a working apple orchard and learn how apples are grown, cared for, and harvested. (6 min)

### Farming Part 1 - BIG BUD Tractors - Welker Farms Inc

Follow along with an employee of Welker Farms, Inc as they go through the spraying season for their crops. (16 min)

### Farming Part 2 - BIG BRUTE - Welker Farms Inc

Follow along with an employee of Welker Farms, Inc as they go through the spraying season for their crops. (19 min)

### Farming Part 3 - Harvest - Welker Farms Inc

Follow along with an employee of Welker Farms, Inc as they go through Harvesting season for their crops. (15 min)

## Riverhill Farms Tour

Welcome to Riverhill Farms, the home of one of our independent family farmers. Join Glenn Rodes, an eighth-generation farmer, as he shares what it means to be committed to raising turkeys the honest, simple way. (2 min)

### 360 Farm Tour: It Starts with a Seed

Follow a fifth-generation farmer and see the challenges farmers face, solutions that technology offers, and ultimately the fruits of labor that will transform into food, feed, and fuel. Part 1 (6 min)

### 360 Farm Tour: As The Corn Grows

Follow a fifth-generation farmer and see the challenges farmers face, solutions that technology offers, and ultimately the fruits of labor that will transform into food, feed, and fuel. Part 2 (6 min)

### 360 Farm Tour: Harvesting the Corn

Follow a fifth-generation farmer and see the challenges farmers face, solutions that technology offers, and ultimately the fruits of labor that will transform into food, feed, and fuel. Part 3 (6 min)

### 360 Farm Tour: Protecting the Corn

Follow a fifth-generation farmer and see the challenges farmers face, solutions that technology offers, and ultimately the fruits of labor that will transform into food, feed, and fuel. Part 4 (6 min)

### ACE Center @ Hermitage Greenhouse

Join students from Hermitage High School as they explain how a greenhouse works. (3 min)

### Bayer Digital Farming

Have you ever wondered what digitalization and farming have in common? Digital Farming can help farmers predict what is coming around the corner. Learn more here at Bayer's 360° tractor virtual experience. (2 min)

### Capture Scratch's Virtual Farm Tour

This virtual reality tour invited visitors to the Toronto Garlic Festival to "witness" a real garlic harvest in the hot sun, bringing festival-goers closer to the garlic growing process. (4 min)

## **Cultivating - John Deere 4020**

Join Ryan as he cultivates a field with a John Deere 4020. (7 min)

## **Degelman Dozer Blade**

Join a farmer as he works with a Degelman Dozer blade on his farm. (11 min)

## **ExplOregon Agriculture - Blueberry Harvest**

Join ExplOregon Agriculture Foundation at Blue Raeven Farms as they harvest blueberries. (2 min)

## **ExplOregon Agriculture - Broccoli Harvest**

Join ExplOregon Agriculture Foundation at Pearmine Farms as they harvest broccoli. (2 min)

## **ExplOregon Agriculture - Cauliflower Planting**

Join ExplOregon Agriculture Foundation at Pearmine Farms as they plant Cauliflower. (2 min)

## **ExplOregon Agriculture - Christmas Tree Harvest**

Join ExplOregon Agriculture Foundation at Stroda Brothers Farms as they harvest Christmas Trees. (2 min)

## **ExplOregon Agriculture - Field Corn Harvest**

Join ExplOregon Agriculture Foundation at Meadowoods Farms as they harvest Field Corn. (2 min)

## **ExplOregon Agriculture - Green Bean Harvest**

Join ExplOregon Agriculture Foundation at Cook Family Farms as they harvest Green Beans. (2 min)

## **ExplOregon Agriculture - Mint Distillery**

Join ExplOregon Agriculture Foundation at Stroda Brothers Farms as they harvest and distill Mint. (2 min)

## **ExplOregon Agriculture - Mint Harvest**

Join ExplOregon Agriculture Foundation at C & L Farms as they harvest Mint. (1 min)

## **ExplOregon Agriculture - Radish Seed Harvest**

Join ExplOregon Agriculture Foundation at Ruddenklau Farms as they harvest radish seeds. (3 min)

## **ExplOregon Agriculture - Sugar Beet Seed Harvest**

Join ExplOregon Agriculture Foundation at Cooks Family Farms as they harvest Sugar Beet Seed. (3 min)

## **ExplOregon Agriculture - Sweet Corn Harvest**

Join ExplOregon Agriculture Foundation at Cooks Family Farms as they harvest Sweet Corn. (2 min)

## **Farm Life - Virginia Tobacco**

Follow along as Farmers work to harvest Tobacco Leaves. (1 min)

## **Farm Life - Virginia Peanut Digging and Harvest**

Follow along as Virginia farmers dig and harvest Peanuts. (4 min)

## **Farm Life - Virginia Apple Orchard**

Follow along as farmers work to harvest apples from an orchard. (2 min)

## **Farm Life - Virginia Corn Chopping**

Follow along as a farmer cuts and harvests corn. (2 min)

## **Farm Life - Virginia Corn Planting**

Follow along as a farmer plants corn. (1 min)

## **Farm Life - Virginia Cotton Harvest**

Join a farmer as he works to harvest cotton. (5 min)

## **Farming Simulator: Tour Through Goldcrest Valley**

Visit Goldcrest Valley, the new environment in Farming Simulator 17, and see what farming life is like. (3 min)

## **George the Farmer - Apples VR**

Join George the Farmer and his mates Simone and Ben as they investigate how apples are grown. (4 min)

## **George the Farmer - Dairy VR**

Join George the Farmer and his mates Simone and Ben as they investigate where delicious dairy products like milk and yogurt really come from. (4 min)

## **George the Farmer Chickpeas – VR**

Join George the Farmer and his mates Simone and Ben as they investigate chickpeas at harvest time. (4 min)

## **George the Farmer Forestry – VR**

Join George the Farmer and his mates Simone and Ben as they investigate some of the products made from Pine Trees in sustainable pine plantations. (4 min)

## **Harvest – An Immersive VR Experience**

Soar high above the fields of Perthshire as a fleet of combine harvesters and tractors harvest the year's oats, wheat, and barley. Jump inside the cabin of a high-tech combine and stand next to the tractor as it dumps grain in the silo. (4 min)

## **Harvesting in VR**

Ride along with a farmer as he works on harvesting his field. (14 min)

## **Harvesting Rice | Harvest 2018**

Come along on this virtual tractor ride and learn about harvesting rice. (36 min)

## **Virtual Farm Tour | Organic Valley**

Take a virtual tour into how Dairy cows are raised to produce organic milk. (1 min)

## **VR Harvest - Polish Grain Farm Chill Out**

Follow Polish Farmers as they work to harvest and chill out the grain. (2 min)

## **Power, Structural, & Technical Systems**

### **Look Inside Brooklyn's Farming Revolution**

Visit a high-tech, hydroponic farm that is breaking away from the traditional, transport-heavy, industrial food system and blazing the trail for the future of super-efficient urban farming. (3 min)



## A Vertical Farm Grows In Newark

AeroFarms is a farming company that grows produce indoors without sun, soil, or pesticides. Step inside one of their vertical farms, which grows kale, arugula, and other greens in Newark. (2 min)

## Gotham Greens' Urban Rooftop Farm

Go behind the scenes at Gotham Greens in Brooklyn, New York, where all kinds of leafy greens are grown in their state-of-the-art urban rooftop greenhouse. (2 min)

# Architecture & Construction

## Construction

### VECS

An immersive hands-on tool for students to learn about electronics like never before. With over a dozen embedded lessons, students are guided through the foundations of electricity and mechatronics by building and analyzing their own circuits. (unlimited)

### Life on an Oil Rig

Have you ever wondered what life is like on an oil rig in the North Sea? Well, in this immersive video, one worker takes you around the Shearwater platform. (3 min)

### Chevron's Jack/St. Malo Offshore Platform

Travel by helicopter into the Gulf of Mexico, about 280 miles south of New Orleans, to Jack/St. Malo, Chevron's largest deepwater offshore platform. Tour the massive operation and meet some of the platform's employees. (2 Min)

### Riding the Truss at the Somerton High School Construction Project

Ride on a truss getting flown and set into place at the Somerton High School project. (3 Min)

## Tour of a Construction Site Using Kryton Products

See how Kryton products are used on a construction site. (2 Min)

## Sewer Tunnel Construction

Metropolitan St. Louis Sewer District's construction site where crews are digging a 30-foot shaft in preparation for the arrival of a small Tunnel Boring Machine (TBM). (4 min)

## Elbphilharmonie construction site

A virtual tour through the Elbphilharmonie construction site. (2 min)

## A Day in the Life of a Construction Craft Worker at LiUNA

Learn about the pathway into the Construction Craft Worker career and what a typical day in this profession looks like. (5 min)

## Aurora Wind Farm Under Construction

A tour that shows the construction process of our Aurora wind project in Williams and Mountrail counties in North Dakota. (3 min)

## Build your Future at Bird Construction

Take a tour of the workplace of Bird Construction, a leading general contractor in Canada. (3 min)

## Cat Command Console for Excavators

Experience a CAT Command Remote Solutions, including the onboard electronic systems and vision systems, that allow machines to be controlled without anyone in the cab. (3 min)

## Convocation Center Construction

Take a look at the construction of a convocation center. (4 min)

## E. Bronson Ingram College - Construction Experience

Take an overlook of the construction of the E. Bronson Ingram College at Vanderbilt University. (3 min)

## Staten Island: Empire Outlets Construction Site

Explore the construction work at the Empire Outlets site in St. George, Staten Island. (1 min)

## The Box Construction Site - Autumn/Winter 2017

Experience a construction site when digging and waterproofing works are taking place. (2 min)

## TheatreSquared Construction – Boom Crane Climb

Experience a boom crane operator climb more than 300+ feet in the air in order to operate this piece of machinery. (6 min)

## Construction Video Experience

Experience a construction site and see what goes into building a place. (1 min)

## Wind Farm Construction

Watch as the wind plant takes shape and hear first-hand how the turbines are put together. (4 min)

## Working with Heavy Machinery.

See what it's like to work with heavy machinery on a job site. (7 min)

## View of Safety

View a recent McCarthy safety meeting and listen to important messages from the safety coordinator and project superintendent on site. (4 min)

## Safety in a Box: Caught In Between (English/Spanish)

Experience the dangers of workplace accidents such as being caught in between objects in this safety video. (1 min)

## Safety in a Box: Construction 2 (English)

Experience the dangers of workplace accidents and various scenarios that can occur on a construction site. (6 min)

## Safety in a Box: Construction 2 (Spanish)

Experience the dangers of workplace accidents and various scenarios that can occur on a construction site. (7 min)

## Safety in a Box: Electrocution (English/Spanish)

Experience the dangers of electrocution that can take place on a construction site. (1 min)

## **Safety in a Box: Falling from Height (English/Spanish)**

Experience the dangers of a fall from a height in this scenario video on safety at a construction site. (1 min)

## **Safety in a Box: Struck By (English/Spanish)**

Experience the dangers of being struck by a piece of equipment in this scenario on safety at a construction site. (1 min)

## **Intro to Electrical**

See what it takes to set up a DC, and AC, and an AC as DC Connection in this beginner training module. (unlimited) [E](#)

## **Carpentry Tool Identification**

Identification of various tools of Carpentry. (unlimited) [E](#)

## **Intro to Carpentry**

Identify tools and board types in a building frame. (unlimited) [E](#)

## **Entergy In Field Safety Training**

In-field safety training for power lines. (unlimited)

## **First-Hand Excavator Training 101**

Ride along with Randy as he teaches you to operate a Komatsu PC-210 excavator with you in the driver seat. (10 min)

## **Pouring Concrete**

Follow Joe on a construction site as he walks you through how concrete is poured. (6 min)

## **Introduction to OSHA & Employee Rights of OSHA**

Meet Jim and learn about what OSHA is and the rights an employee has under OSHA. (2 min)

## **OSHA Fall Safety Basics**

Follow Jim as he takes you through the basics of fall safety according to OSHA. (9 min)

## **OSHA Fall Safety: Harness & Lanyard**

Follow Jim as he takes you through the basics of using a harness & lanyard according to OSHA guidelines. (11 min)

## **OSHA Fall Safety: ABCD'S of Fall Protection**

Follow Jim as he takes you through OSHA's ABCDs of fall protection. (12 min)

## **OSHA Fall Safety: Ladders**

Follow Jim as he takes you through the basics of using ladders according to OSHA safety guidelines. (14 min)

## **OSHA Fall Safety: Scaffolding**

Follow Jim as he takes you through the basics of using scaffolding safety according to OSHA guidelines. (13 min)

## **OSHA Fall Safety: Roofs**

Follow Jim as he takes you through the basics of roof safety according to OSHA guidelines. (10 min)

## Maintenance/Operations

### **Underwater Inspection**

Join a scuba diver as they inspect a ship's propeller system and hull all from under the water. (2 min)

### **Steelmaking at ArcelorMittal Dofasco**

Join Materials engineer Sagarika Paul and millwright Jesse Castelli for a tour of the steelmaking process at ArcelorMittal Dofasco. (2 min)

## Design/Pre-Construction

### **The History of Hamburg's Rethel Bridge**

This video recounts the history of Hamburg's Rethel Bridge and its stunning architecture. (8 min)

### **Underneath the Lincoln Memorial**

Get a rare look around the underground of the Lincoln Memorial and see the charcoal drawings left by construction workers who helped build the foundation over 100 years ago. (2 min)

### **Construction project - 1st week of 2022**

Listen as a client, construction manager, and architect discuss beam conditions and repairs needed in a typical construction project meeting. (3 min)

## **Bridge Builder**

An interactive module that allows for the building of bridges to scale using architectural applications. (unlimited)

# Arts, Audio/Video Technology, & Communications

## Printing Technology

### **Where it's Made: The New York Times Newspaper**

The New York Times prints between 300,000 to 800,000 newspapers daily at its main facility in Queens. Take an immersive tour as the paper comes together. (2 min)

## Journalism & Broadcasting

### **Wimbledon-Broadcasting Training**

Follow along with the team that is broadcasting from Wimbledon as they give a behind-the-scenes look at how the broadcast comes together. (4 min)

### **Behind the Scenes of a Film Set.**

Follow Sarah, the assistant director, as she shows you around a working sound stage and introduces you to how many people and jobs go into a production. (12 min)



## Visual Arts

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### **A Day in the Life of an Illustrator**

What is it like to be an illustrator? What does it take to break into the industry? Learn more from Subin Yang who is an illustrator based in Seoul/Portland who has worked with companies like NBC News, Naver, and artists like Khruangbin. (6 min)

### **A Day in the Life of a Fashion Designer**

What does it take to start your own fashion brand? How do you get other people to notice what you're doing? Meet Stijn Tolman and learn about his journey with Takno and what keeps him going and motivated. (9 min)

### **School of Design & Media Facility Tour**

Join Deda and Mark as they take you on a tour through NYP's School of Design & Media to experience different possible careers like interactive design and woodworking. (10 min)

## Performing Arts

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### **A Day in the Life of a Conductor/Music Composer**

Take a brief look into the Early Childhood Education section of the Teaching Academy program at the Trumbull Career and Technical Center. (2 min)

### **Behind the Scenes of a Film Set.**

Follow Sarah, the assistant director, as she shows you around a working sound state and introduces you to how many people and jobs go into a production. (12 min)

## Business Management & Administration

### Administrative Support

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#### **Radial Fulfillment Operations**

Take a tour of the order fulfillment center and learn what happens when you place an order; from wave planning to picking, personalization, packing and loading for shipment. (4 min)

### Business Information Management

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#### **Professions: IT Specialist**

For a global company like Bayer, IT is key in almost all business processes from infrastructure to R&D, which is why our IT landscape offers countless exciting entry and career opportunities for IT Talkents. (3 min)

## Education & Training

### Professional Support Services

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#### **Preserving 97 Orchard**

Join Danielle Swanson, the Collections Manager at the Museum, and learn more about the preservation work that has been going on at the Tenement Museum's 97 Orchard Street building. (2 min)

## Teaching/Training

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### **Failure to Communicate: An Immersive Experience about Learner Variability**

Experience about Learner Variability in which a teacher is encouraged to look at her class from one of her student's unique and engrossing perspectives. (11 min)

### **Early Childhood Careers Lewis and Clark Virtual Tour**

Explore a career in Early Childhood at Lewis and Clark education lab. (1 min)

### **Cambrian College Early Childhood Education Lab**

Tour Cambrian College's early childhood education lab and experience the teacher's view of the classroom. (1 min)

### **Early Childhood Education**

Experience an Early childhood education program classroom from the view of a teacher. (1 min)

### **Early Childhood Education Walk Through**

Take a brief look into the Early Childhood Education section of the Teaching Academy program at the Trumbull Career and Technical Center. (2 min)

## Finance

### Securities & Investments

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### **Explore the Future in Professional Services with Deloitte**

The Learning Partnership takes you behind the scenes of Deloitte LLP, which provides auditing, consulting, financial advisory, risk management, tax, and other related services to its many clients.. (3 min)

## Government & Public Administration

### National Security

#### The Most Dangerous Job: Working the Flight Deck in the US Navy

Working on a flight deck is among the most dangerous jobs in the United States Navy. In April 2016, eight sailors on board the USS Dwight Eisenhower were seriously injured and evacuated off the ship after an arresting wire snapped on the flight deck. The ship's sailors and top brass talk about life on the deck. (4 min)

#### Navy: Explore Life from Every Angle

Get a unique perspective of life onboard HMAS Canberra, watching personnel work out, maintain systems, and complete drills. (3 min)

#### Maritime Security Response Team

Experience a mission with the Maritime Security Response Team (MSRT), which is part of the Coast Guard's Armed Deployed Specialized Forces. (3 min)

#### Air Force Academy: Jacks Valley Basic Training

Follow Cadets of the US Air Force Academy as they are pushed to their physical limits in Basic Cadet Training in Jacks Valley. (3 min)

## Health Science

### Biotechnology Research & Development

#### IMCS: Careers in Biotechnology

Take a tour inside the IMCS laboratory with co-founder and scientist Andrew Lee and learn about the biotechnology products that his company makes. (2 min)

### Cardiovascular Research

At Bayer, cardiovascular research is one of the key pillars of the Pharmaceutical division- and the dedicated researchers at the state-of-the-art research campus in Wuppertal Aprath are provided everything they need to find the next life changing solution. (4 min)

### Diagnostic Services

#### Job preview of Vet Tech at Midwest Birds & Exotic Animal Hospital

Follow along with a worker from the Midwest Birds & Exotic Animals Hospital and learn what a typical day consists of. (3 min)

#### A Day in the Life of a Vet Tech Student

Explore the two-year Veterinary Technician program. Learn what it takes to work with animals and the skills needed to be an integral team player within veterinary practices, research facilities, or other animal-related industries. (3 min)

#### Department of Health Science Lab Tour

Join Parthajit as he takes you on a tour of Brock University's Undergraduate Teaching Lab, Immunology Lab, Human Hemodynamics Lab and Anatomy lab of the Department of Health Science (4 min)

#### OCD Triggers

8 Immersive experiences used to trigger an OCD moment: Self-Harm, Dirty Bathroom, Rave, Church, Road Rage, Existential Crisis, Pool Party, House Party, Traditional OCD-Misalignment. (unlimited)

#### C3: Crash Course Coordination

Interactive game that helps to improve hand-eye coordination. (unlimited)

#### Imaging Academy

David Anthony, COO of Medical Imaging Solutions (MIS) explains the Imaging Technician career field and getting started with the Imaging Academy. (2 min)

### VirtuLIVE: Operating Room

Join Chris as he explores professions within the Advent Health Celebration Hospital's Operating Room. Learn about careers such as a Physician's Assistant, Nurse Practitioner (APRN), Neurosurgeon, Surgical Technologist, Operating Room Registered Nurse, Various Operating room representatives and vendors. (35 min)

### Health Informatics

#### Lessons in Professionalism: Dental Receptionist

Experience the importance of professionalism in the dental office and examples of what you shouldn't do as a receptionist. (2 min)

### Support Services

#### Patient Point of View in Advanced Life Support (Code Blue)

Training video demonstrates a cardiac arrest (code blue) as if the doctor is leading an arrest for the first time. (7 min)

#### Pediatric Trauma Scenario: Patient Stabilization

Experience an Emergency Room Staff work to get a patient stabilized while waiting for a life flight to arrive. (3 min)

#### Pediatric Trauma Scenario: Emergency Room Prep

Experience an emergency Room Staff preparing for the arrival of a pediatric patient. (2 min)

#### Point of View Perspective of a Trauma Patient

Experience the point of view of a trauma patient—on the scene, in an ambulance, and in the emergency department of a hospital. (4 min)

#### Inside The Hospital Mortuary

Find out what happens on the last leg of a patient's journey. (5 min)

## GC Nursing Pediatric Code Training

Experience a pediatric cardiac arrest training video. (10 min)

## Going for an MRI Scan from a Patient's Perspective

Experience going for an MRI Scan. (3 min)

## Advanced Life Support / Code Blue

Learn how to lead a cardiac arrest /code blue using the advanced cardiac life support (ALS/ACLS) algorithms. (8 min)

## VR Patient Experience

Experience what a Patient experience is like in a hospital-like setting. (7 min)

## EMT Vehicle Orientation

Tour inside the Lexington County EMS ambulance with a paramedic, Lisa Dawkins. (3 min)

## Resuscitation of a Covid-19 Patient w/ Respiratory Failure Best Practices Demonstration

This immersive 360-degree video takes you inside a hospital emergency department and shows the best practices learned by medical staff in New York City and Philadelphia for treating critically ill COVID-19 patients with respiratory failure. (11 min)

## Mississippi Valley Regional Blood Center

Meet Elizabeth Hopkin, Director of Reference Laboratories at Mississippi Valley Regional Blood Center, and listen to her experience preparing for and having a career in the science and medical field. (3 min)

## TVAPL Endotracheal Intubation Simulation

Learn the procedure to intubate an unconscious patient in this teaching simulation. (2 min)

## Therapeutic Services

### Careers in Cardiology

Explore professions in healthcare! Professions explored: Cardiovascular Technologist (CVT), Registered Nurse (RN), Educator, Manager, and Echo-cardiogram Technician (ECHO). (42 min)

## EKG Concepts

Interactive training course on 12-Lead EKG. (unlimited)

## Anatomy Lab

Highly interactive anatomy classroom that allows students to assemble the human body piece by piece with over 90 separate body parts to learn about (unlimited) [E](#)

## A Visit to the Dentist

A module that aims to facilitate the teaching of dental hygiene and ease anxiety faced by persons with disabilities during dental visits. (4 min)

## Medical Realities - Surgical Training

Witness a surgery performed by Dr. Shafi Ahmed Consultant Surgeon at St Bartholomew's Hospital, London, 2015. (3 min)

## Surgical Training in Virtual Reality for Oculus Rift

Follow a guided surgery performed by Dr. Shafi Ahmed Consultant Surgeon at St Bartholomew's Hospital, London, 2015. (4 min)

## Department of Health Science Lab Tour

Join Parthajit as he takes you on a tour of Brock University's Undergraduate Teaching Lab, Immunology Lab, Human Hemodynamics Lab and Anatomy lab of the Department of Health Science. (4 min)

## Division of Occupational Science and Occupational Therapy

Follow Occupational Therapy student Thomas Carr as he takes you on a tour of the Occupational Therapy Lab at UNC. (3 min)

## Nursing & Midwifery

Join midwifery student Jess Cox and nursing student Jane Green as they take you on a tour of the mock hospital wards and the campus of Anglia Ruskins University. (2 min)

## Cervical Disc Replacement with Dr.

### Richard Guyer

Join Parthajit as he takes you on a tour of Brock University's Undergraduate Teaching Lab, Immunology Lab, Human Hemodynamics Lab and Anatomy lab of the Department of Health Science (8 min)

## Lessons in Professionalism: Dentist

Experience the importance of professionalism in the dentist office and see examples of what you shouldn't do in regards to HIPPA. (2 min)

## Lessons in Professionalism: Dental

### Assistant/X-Ray Tech

Experience the importance of professionalism in the dentist office and see examples of what you shouldn't do as a dental assistant or x-ray tech. (2 min)

## TVAPL Endotracheal Intubation

### Simulation

Learn the procedure to intubate an unconscious patient in this teaching simulation. (2 min)

## VirtuLIVE: Operating Room

Join Chris as he explores professions within the Advent Health Celebration Hospital's Operating Room. Learn about careers such as a Physician's Assistant, Nurse Practitioner (APRN), Neurosurgeon, Surgical Technologist, Operating Room Registered Nurse, Various Operating room representatives and vendors. (35 min)

# Hospitality & Tourism

## Restaurants and Food/Beverage

### OCI Kitchen- Culinary Arts Tour

Experience a cooking class at Oregon Culinary Institute and experience a culinary class. (2 min)

### Baking Lab Tour

Experience a baking class in a culinary lab. (1 min)

### Culinary Lab Tour

Follow along with a culinary class in this experience. (1 min)

## Explore NBCC's Culinary Lab

Explore the NBCC Culinary Lab and see what the culinary program has to offer. (1 min)

### LBCC Culinary Arts Tour

Take a tour of LBCC's Culinary arts program and see what the culinary program has to offer. (3 min)

### Leeward CC Culinary Arts Campus Tour

Take a tour of Leeward CC's Fundamentals and Contemporary Cuisine Kitchens, The Pearl fine dining restaurant, and our Bake Shop which are all managed by students. (5 min)

### The Executive Sous Chef

Take a tour of LBCC's Culinary arts program and see what it takes to be an Executive Sous Chef. (2 min)

## Lodging

### Washing Windows in the Sky

Watch an immersive video of window washers cleaning a skyscraper 900 feet above Midtown Manhattan. (2 min)

### Workplace Tours: Best Western Plus

Get behind the scenes at Best Western Plus and learn more about careers within the hospitality industry. (4 min)

## Human & Community Services

### Family & Community Services

#### Careers 360: Charity Jobs

Wanna work in the charity field but not sure where to start? Join a round table discussion with the National Youth Agency, NSPCC, Charity Aids Foundation, O2 Think Big, and GoThinkBig to talk about getting started in the sector. (13 min)

## Social Work Hazard Assessment

Follow a Social Worker as she takes you through how hazards are assessed in a child protection service visit. (4 min)

### Social Work Home Assessment

Follow along with a Social Worker as she interacts with a family that she is assessing. (5 min)

### Hazard Hunt: Social Worker

Take on the role of a Home Health Social Worker as you wander through the apartment to identify ten health and safety hazards and learn more about what makes them so hazardous. (unlimited)

## Information Technology

### Network Systems

#### Professions: IT Specialist

For a global company like Bayer, IT is key in almost all business processes from infrastructure to R&D, which is why our IT landscape offers countless exciting entry and career opportunities for IT Talkents. (3 min)

#### IT Specialist for System Integration at Amazon

Do you know what to do in case of computer problems? You like to tinker with computers? In your training as an IT Specialist with a focus on system integration, you will primarily dedicate yourself to computer hardware. (4 min)

## Programming & Software Development

### Robotic Software Development Engineers

Meet the Software Development Engineers from Global Ops Robotics who are working together to deliver innovations that will shape the future of Amazon Operations. (3 min)

### Diversity in Coding

Explore and learn about coding academies in Austin, TX and meet some of the students who are learning about coding. (2 min)

## Web & Digital Communications

### Web Developer

Meet a junior Web Developer and experience a day in his life as part of the Ingenico Group. (2 min)

## Law, Public Safety Corrections & Security

### Emergency & Fire Management Services

#### EMT Vehicle Orientation

Tour inside the Lexington County EMS ambulance with a paramedic, Lisa Dawkins. (3 min)

## Ambulance: VR

Immerse yourself in the world of the paramedics of the West Midlands Ambulance Service. Travel at high speed in the front seat of an ambulance and join the paramedics in people's homes as they respond to emergency calls. (6 min)

## Fire Rescue

Experience what it's like to be a firefighter in a life and death emergency in this true story with dramatic reconstruction of two London firefighters who put their lives on the line to rescue six children from a blazing house fire. (6 min)

## 9-1-1 Communications Center Career

### Exploration

Tour inside the Lexington County 9-1-1 Communications Center with Lt. Julianna Hendrix and learn about the people who answer 9-1-1 calls. (3 min)

### Fire Station Career Exploration

Take a tour inside the Lexington County Fire Service, Station #30 with Captain Sean O'Neal (7 min)

### Emergency Medical Training

Dive into this training scenario for EMT and see how they handle it. (3 min)

### Firefighter Training Overview

Experience different training scenarios that a firefighter goes through in this overview of training for firefighters. (2 min)

### Multi-Vehicle Crash & Rescue Response

Experience what it takes for Rescue Response to remove a person from a bad wreck. (6 min)

### Slope Rescue

Join a training team of Rescue Responders as they work to remove a person caught in a car on a slope. (4 min)

### Car in a House

Follow a Rescue Response training class as they learn how to handle a car that has crashed into a house. (2 min)

### Car on Side

Follow a Rescue Response Training class as they work to learn how to handle a car crash where the car is on its side. (3 min)

## Car on Roof

Follow a Rescue Response Training class as they learn how to handle a crash where the car landed on its roof. (3 min)

## Cranfield University Accident

### Investigation Course- Crash Site Simulation

Learn how to investigate a crash site and what goes into documenting and gathering evidence. (12 min)

### Step into the Shoes of a Firefighter

See how firefighters respond when an alarm goes off at the station. (1 min)

## Law Enforcement Services

### You, Who Pass Without Seeing Me

Experience safety for a road officer in this road safety scenario. (1 min)

### How to Become a Secret Service Agent

Learn about five different training exercises recruits go through at this Secret Service training Facility in Maryland. (3 min)

### The Protectors, Walk in the Ranger's Shoes

The Protectors chronicles a day in the life of a ranger in Garamba National Park. These rangers are often the last line of defense in a race against extinction at the hands of poachers slaughtering elephants for their ivory tusks. (10 min)

### A Day in the Life of a Police Officer

Get to know the Haywood Police Department and learn what a day on the job is like. (5 min)

### Criminal Justice 360 View

Experience a 360 view of the Tolles Criminal Justice Program as recruits work through a typical training session in the Criminal Justice Lab. (2 min)

## Security & Protective Services

### Security Check

Experience this scenario that takes you through the night shift of two security guards on duty, when something strange happens. (3 min)

### Training for an Active Shooter Situation

Experience a simulation of what it's like to deal with an active shooter in various situations. (3 min)

## Manufacturing

### Maintenance, Installation, & Repair

#### FAUP | HVAC Chiller 1

See some of the things an HVAC Tech works on such as an HVAC Chiller. (2 min)

#### FAUP | HVAC Chiller 2

See some of the things an HVAC Tech works on such as an HVAC Chiller. (2 min)

#### FAUP | HVAC Room 1

Experience the inside of an HVAC Room that an HVAC Tech would work on. (2 min)

#### FAUP | HVAC Room 2

Experience the inside of an HVAC Room that an HVAC Tech would work on. (2 min)

#### FAUP | HVAC Room 3

Experience the inside of an HVAC Room that an HVAC Tech would work on. (2 min)

#### LG HVAC Installation site-Starfield

#### HANAM Shopping Theme Park

See the LG HVAC solutions that cover a shopping complex. (2 min)

#### SCTCC HVAC/R Virtual Tour

Check out the Heating, Air Conditioning, and Refrigeration labs on the SCTCC campus in this virtual tour. (2 min)



## Wind Farm Tour

Experience a Wind Farm from the eyes of those that maintain it. (4 min)

## Rig Direct™

Explore the full process of Rig Direct. (4 min)

## Industrial Mechanic

Experience the daily workflow of an industrial machinery mechanic and see how they repair, maintain and adjust the systems and machines that are important to the manufacturing process. (2 min)

## Workplace Safety | Ladder Safety

Watch as a maintenance worker learns about ladder safety in a workplace. (2 min)

## Workplace Safety | Forklift Inspection

Follow Al as he shows you how to inspect a forklift to ensure it is ready for operations. (2 min)

## Workplace Safety | Forklift Operation

Join Al as he takes you through the basis of how to operate a forklift. (2 min)

## Workplace Safety | Harness Safety

Follow Al as he shows a new trainee the importance of harness safety. (4 min)

## Workplace Safety | Hot Work Safety

Join Al as he explains what Hot Work is and the importance of maintaining it for safety. (3 min)

## Workplace Safety | Lock Out/Tag Out

Follow Lawrence as he goes over how to identify a Lock Out/Tag Out situation and the importance of it to workplace safety. (3 min)

## Manufacturing Production Process Development

### Behind the Scenes at a Toy Factory with the Nokia Ozo

Go inside the manufacturing plant at Green Toys, a company that makes eco-friendly toys from recycled milk bottles. (3 min)

## CSIR Advanced Design & Manufacturing Innovation Center

Explore the Design and Manufacturing process in this virtual tour of one of 9 CSIR facilities. (4 min)

## Experience the Future of Additive Manufacturing with Stratasys

Tour an aircraft interior and aircraft manufacturing facility to see all the ways additive manufacturing is impacting aircraft interiors. (7 min)

## High Tech Manufacturing Brainport Industry Campus

Brainport Industries Campus is where the innovation and competitive strength of the high-tech manufacturing industry grow wings. (3 min)

## BASF Workplace Experience: Our Production Plants

Have a look around and get an insight into working at the world's largest chemical company. (2 min)

## Design your Career at AV Gauge

Tour the workplace of AV Gauge & Fixture Inc., a leading manufacturer, specializing in gauging and checking fixtures in various industries. (4 min)

## JST Manufacturing Facility

View JST's Boise, Idaho manufacturing facility and see different aspects of the manufacturing process. (2 min)

## Production

### Breman Machinery VR

Experience all the different aspects of Breman Machinery in this plant tour. (5 min)

### Factory Tour - Digga Australia

Explore various production areas, from machining to lasering, welding & painting bays to assembly and dispatch. (2 min)

### Tour for GAF

Experience a roofing manufacturing plant as it produces products. (4 min)

## Factory Experience

Factory tour and see every process that goes into making your favorite linen. (2 min)

## Sneak Peek of Automated REIN4CED

## Unbreakable Frame Production Facility

Sneak-peek into REIN4CED's automated bicycle frame production line that is currently being set up. (2 min)

## Virtual Reality Tour of Advanced Manufacturing Plant

Tour a leading textile manufacturing company and see different aspects of the textile manufacturing process. (5 min)

## CSIR Additive Manufacturing Facilities

Explore one of the nine CSIR manufacturing facilities and see how their manufacturing process works. (4 min)

## Explore a Plant in VR

A virtual experience of IONIQ electric production process from molten metal to inspection. (5 min)

## Inside Auto Manufacturer FCA Canada

Take a trip down the highway with leading Canadian car manufacturer FCA Canada Inc. (5 min)

## Orrcon Steel - Salisbury Mill Tour

Take a tour of our Salisbury Steel Manufacturing Operations Mill in Queensland. (6 min)

## See Where Tesla Makes its Cars

Take a 360 tour of Tesla's manufacturing factory in Fremont, California, and see how the cars are made. (2 min)

## Siemens Transformer Factory Weiz

Follow Siemens as they explore how products are made at their factory. (4 min)

## Toyota Factory Tour

Watch how a forklift is built around you and experience for yourself every step of the production process. (3 min)

## Trayvax Virtual Reality Tour

Take a tour of Trayvax headquarters and see how we manufacture our slim metal wallets and web belts. (2 min)



## Twinsburg Facility VR Tour

See how engineering plays a part in the manufacturing process. (3 min)

## Tour of Manufacturing Facility of Vinodrai Engineers Pvt. Ltd.

Tour a manufacturing plant and see the process of producing goods. (5 min)

## Visit Digital Metal Production

Take a 360-degree look inside the Performance Manufacturing Center where they build the new generations of Acura. (5 min)

## 2017 Acura NSX Performance

### Manufacturing Tour

Experience a tour that covers the end-to-end process of manufacturing as well as the implementation of products. (3 min)

## Tour of a Commercial Manufacturing Facility

Tour a commercial transportation manufacturing facility and see different aspects of the manufacturing process. (6 min)

## ATLAS Manufacturing Facility in VR

Have a look around and get an insight into working at the world's largest chemical company. (3 min)

## CSIR Advanced Materials & Engineering

Virtual tours of one of 9 CSIR facilities and see different aspects of the manufacturing process. (5 min)

## Discover Septodont: Tour of the

### Anesthetics Manufacturing Facility

Tour an anesthetics manufacturing facility and see different aspects of the manufacturing process. (6 min)

## Experience Accuride's Gunit Facility and The Plex Manufacturing Cloud

Take a tour of the Accuride Corporation – a leading supplier of wheels and wheel-end components to the North American commercial vehicle industry. (9 min)

## Inside NASA's Rocket Factory: Tour of SLS Manufacturing

Tour of the Space Launch System Rocket being made at NASA's Chris A. Hadfield Rocket Factory (CAHRF). (4 min)

## Key Gas Components of Manufacturing

Explore the Key Gas Components of manufacturing and see different aspects of their manufacturing process. (3 min)

## Making Medicines

Explore the world's largest biotech manufacturing facility and see how medicines are made. (4 min)

## Manufacturing Plant Virtual Tour

Explore all aspects of a manufacturing plant in India through this virtual tour. (11 min)

## Manufacturing the R11: Shenzhen Oppo Factory Tour

See how your phone is manufactured in this virtual tour. (7 min)

## Neon Manufacturing in Los Angeles

Take a look at the neon-manufacturing process used to create a neon sign. (2 min)

## SANHUA: Visit to Manufacturing

### Facilities

Visit our manufacturing facilities and see different aspects of the manufacturing process. (5 min)

## MIG Welding

Learn about MIG Welding equipment and safety in this tutorial experience. (7 min)

## Welding Workshop | Hugh Baird College

Explore an immersive 360° video of the Welding workshop at Hugh Baird College. (1 min)

## Plymovent- Factory Visit

This 360 degrees video shows various welding fume extraction solutions installed by Plymovent on the factory floor. (3 min)

## SONNY'S Factory Tour: Conveyor

### Welding

Visit our growing conveyor welding cell, which produces over 6 miles of car wash conveyor equipment per year. (1 min)

## SONNY'S Factory Tour: Robotic Welding

Get a bird's-eye view of our robotic aluminum and steel welding cell. (2 min)

## Woman Welder Video

See a female welder in action. (1 min)

## SONNY'S Factory Tour: Milling Machine

Follow along as Dan takes you back to the milling workstation. (2 min)

## SONNY'S Product Tour: Drying Material

Dan introduces you to Frank, our robotic roller fabricator, and goes over what its purpose is. (5 min)

## SONNY'S Factory Tour: Aluminum

### Welding

Visit our aluminum welding cell and see the process of Aluminum Welding. (3 min)

## Techmatik - Virtual Tour

Explore modern high-performance machines and devices for manufacturing with Techmatik. (4 min)

## Logistics Tour at Würth Elektronik

### Factory

Take a factory tour at Würth Elektronik eiCan and see the logistics process in action. (2 min)

## Welding Symbols Identification

Identify different welding symbols. (unlimited) [E](#)

## Intro to Welding

Identify the meaning of fabrication symbols, appropriate voltage for chosen rod, and proper welding position and angle. (unlimited) [E](#)

## Where it's Made: an Airbus Plane

Take a tour of the factory in Mobile, Alabama, where Airbus produces its A320 family of aircrafts. (2 min)

## Nucor-Yamato Steel- Blytheville Tour

The American Institute of Steel Construction and Nucor Corporation tour the Blytheville mill and see how structural steel is made. (6 min)

## Toyota Factory Tour

Watch how a forklift is built around you and experience for yourself each step of the production process at the Toyota Manufacturing facility in France. (3 min)

## See Where Tesla Makes its Cars

Take a 360 tour of Tesla's manufacturing factory in Fremont, California, and see how the cars are made. (2 min)

## CNC Operator | Career Exploration

CNC Operators use software skills and computer aided drafting programs to design and execute tasks crucial to manufacturing processes. (2 min)

### Meta Fab

Experience several aspects of the Manufacturing process from welding and assembly to powder coating and silk screen printing. (8 min)

### Welder 360

Explore the career of a welder in manufacturing. As a fabricator-welder, you will work either in a shop or out in the field crafting quality metal components in all shapes and sizes. (2 min)

## Marketing, Sales, & Services

### Marketing Management

#### Product Marketing Manager

Meet a Product Marketing Manager and experience a day in her life as part of the Ingenico Group. (2 min)

### Professional Sales

#### Big Dealer Support - John Deere Construction Equipment

Learn what it takes for John Deere construction equipment dealers to support production-class machines. (2 min)

#### What it is Like to Work in the Retail Industry

Meet Various people that work in the retail industry with ServiceIQ and hear why they love working in the industry. (3 min)

## Science, Technology, Engineering, & Mathematics

### Engineering & Technology

#### ASU Schools of Engineering - Tooker

##### House Virtual Reality Tour

Check out the "dorm built for engineers" at Arizona State University. (4 min)

#### A Day in the Life of a Civil Engineering Technician at The Engineering Consulting Group

Learn about the pathway into the Civil Engineering Technician career and what a typical day in this profession looks like. (5 min)

#### A Day in the Life of an Area Distribution Engineering Technician at Hydro One

Learn about the pathway into the Area Distribution Engineering Technician career and what a typical day in this profession looks like. (5 min)

#### Engineering and IT

Come inside our engineering facilities and see some exciting innovative research. (6 min)

#### Engineering at Anglia Ruskin University

Meet Mechanical Engineering Ph.D. students Simon and Beng (Hons) and Civil Engineering student Ujjwal as they talk about what inspired them and show you around the engineering facilities. (2 min)

#### Engineering Our Future™ | Rockwell Automation

See why engineers are needed for the future. (4 min)

#### Mechanical Engineering Lab Tour

Take a tour of a mechanical engineering lab and learn what mechanical engineers do. (5 min)

## See Yourself Here | Engineering

Take a look at the opportunities for research, collaboration, and learning at the Opus College of Engineering. (6 min)

#### Step Inside the Large Hadron Collider

Take a tour of CERN's Large Hadron Collider – the world's greatest physics experiment. (3 min)

#### Warwick School of Engineering

Take a tour of the Warwick School of Engineering and learn about the program. (4 min)

#### Zachry Engineering Education Complex

Opened in 2018, the renovated Zachry building is the home of Texas A&M's world-class College of Engineering. (2 min)

#### SONNY'S Factory Tour: Robotic Roller Fab

Dan introduces you to Frank, our robotic roller fabricator, and explains what it does. (2 min)

#### Bridge Builder

An interactive module that allows for the building of bridges to scale using architectural applications. (unlimited)

#### Bristol Robotics Laboratory - Pepper Robot

Research is being done at the Bristol Robotics Laboratory (BRL) to use Pepper as a motivational robot coach to remind patients undergoing therapy to complete their exercises. (2 min)

#### Bristol Robotics Laboratory - Robotics Innovation Facility

Tour through the Bristol Robotics Laboratory (BRL), the leading and largest academic center for multi-disciplinary robotics research in the UK. (4 min)

#### Argonne: Robotics Lab

Argonne's Young Soo Park and Marius Stan are exploring these complex capabilities of Artificial Intelligence in Argonne's Robotics lab. (3 min)

#### CWU - Robotics Lab

The lab is researching using all the elements integrated together as an Avatar for patients with disability, such as quadriplegia. (2 min)

## Developing a Robotic Arm for Object Manipulation

University of Michigan researchers are building a robotic arm to aid in industries, homes, and emergencies by first training it to sort through beanbags. (2 min)

## Human Robotics Lab

Robotic Lab develops robotic devices for physical interaction with humans and pursues their application in motion augmentation, rehabilitation, and as advanced tools to study movement neuromechanics. (1 min)

## Robotics iPrep North

Watch students explore basic robotics and see what it takes to build one. (2 min)

## TRI Robotics Virtual Open House

Explore TRI's cutting-edge robotics research for Toyota that could reshape our lives. (34 min)

## Cloud Climb

Explore how clouds, the atmosphere, and weather all come together to create different aspects of the Earth's sky. (unlimited) [E](#)

## Twinsburg Facility VR Tour

See how engineering plays a part in the manufacturing process. (3 min)

## IMCS: Careers in Biotechnology

Take a tour inside the IMCS laboratory with co-founder and scientist Andrew Lee and learn about the biotechnology products that his company makes. (2 min)

## Aerospace Engineer Tiera Fletcher's Career

Get an inside look into Tiera's career, her groundbreaking work, and how she is leading the "Mars Generation." (2 min)

## Entrepreneur Inna Braverman's Career

Get a look into Inna's career and see firsthand how she harnesses the power of the ocean and converts waves into usable energy at the Eco Wave Power Station in Gibraltar. (6 min)

## Deep Sea Exploration

Dive into the midwaters off the coast of California with bioengineer and National Geographic Explorer Dr. Kakani Katija. Learn how she conducts deep water research by developing technologies that can go deep below the surface to observe wildlife and collect data and specimens. (6 min)

## Analog Nuclear Control Room- Careers in Energy

Explore an analog Nuclear Control Room and learn about technician's careers in the field. (1 min)

## Step Inside your STEM Career: Mining

Come on down-way down- and explore the depths of North American Palladium's Lac Des Lle's Underground mine. (2 min)

## Nuclear 360: Fuel

Have you ever wondered what the inside of a nuclear energy plant looks like? Look inside the containment building a the plant in Waynesboro, GA. (4 min)

## SAFER NRC Facility Tour

Explore the SAFER Nuclear Response Facility and learn about it. (4 min)

## UW's Petroleum Engineering Lab

Petroleum engineers are involved in all facets of oil exploration and development, from identifying and characterizing the reservoir through drilling and completion to production. They also find new ways to extract oil and gas from older wells. (2 min)

## Ladies in Engineering

Join Senior Field Manager Krista Shaffer as she recounts her involvement in Exploration Mission 1, the Mobile Launcher, and why it is important for women to be in fields like engineering. (30 min)

## Careers in Forestry: Design & Manufacture

Follow along with Claire Coquet to learn about being a Design Engineer in the forestry industry. (2 min)

## Bayer's Crop Science Division

Learn about Bayer's Crop Science Division and see how engineers, data scientists and other tech professionals work to shape Agriculture through breakthrough innovation for the benefit of farmers, consumers, and our planet. (4 min)

## Discover Radio & Rigging

Follow Chris, a radio and rigging engineer, as he shows you around a radio tower. (4 min)

## In the Engine Room | Careers at Sea & Beyond

Follow Aimen, a Marine Engineer, on a tour of the ship's engine room and experience what a day in his life as he sails from Singapore to Shanghai. (4 min)

## Mechatronics Technicians at Amazon

Learn of the tasks mechatronics engineers can take. At Amazon, for example, they manage many small and large robots and are responsible for everything that has to do with them. (5 min)

## A 360 View of Highland Lakes

Join Executive Vice President John Hofmann as he leads you on a journey along the highland lakes while giving a history of LCRA's dam system and background on its responsibility to manage the Colorado River. (3 min)

## Science & Mathematics

### Periodic Table

An interactive classroom that teaches students about the periodic table of elements, their chemical and physical properties, and their atomic structures. (unlimited) [E](#)

### Light Lab

This highly interactive classroom teaches students about the electromagnetic spectrum including activities like the Double Slit Experiment, shining lights through a prism, building their own waves, stacking light, and playing with lenses. (unlimited) [E](#)

## Cloud Climb

Explore how clouds, the atmosphere, and weather all come together to create different aspects of the Earth's sky. (unlimited) [E](#)

## IMCS Careers | Meet Andrew Lee

Follow Andrew Lee as he takes you on a tour of Integrated Micro-Chromatography Systems (IMCS) and see how they create, manufacture, and distribute the next generation of biotechnology products to various organizations. (2 min)

## Bayer's Crop Science Division

Learn about Bayer's Crop Science Division and see how engineers, data scientists and other tech professionals work to shape Agriculture through breakthrough innovation for the benefit of farmers, consumers, and our planet. (4 min)

## Fossil Hunting with Dr. Jack Horner in Yellowstone

Join Dr. Jack Horner on a short exploration of slough creek where he explains the makeup of the landscape while we hunt for some fossils. (4 min)

## Bayer's Crop Science Division

Learn about Bayer's Crop Science Division and see how engineers, data scientists and other tech professionals work to shape Agriculture through breakthrough innovation for the benefit of farmers, consumers, and our planet. (4 min)

## A Day in the Life of a Rangeland

### Manager

Billy Freeman (an honest-to-gosh cowboy) introduces us to the McKenzie Ranch at the Sierra Foothill Reserve in Clovis, California. (7 min)

## Forensic Science Excavation

Follow forensic students as they dig to find bones during the course of their studies. (1 min)

# Transportation, Distribution, & Logistics

## Facility & Mobile Equipment Maintenance

### Auto Service Tech Class Lewis and Clark Virtual Tour

Take a tour of an auto service tech class and the Auto Service lab. (2 min)

### A Day in the Life of a Collision Repair Technician at Fix Auto

Follow a Collision Repair Technician on a typical day on the job. (3 min)

### Auto Body Lab

Explore the Auto body Lab where students learn how to do everything from minor patches to frame straightening to repainting. (3 min)

### Automotive Shop (Whitby) - Durham College

Experience an auto body shop and see what goes on in one. (1 min)

### Automotive Technologies

Experience a 360 view of the Tolles Automotive Technologies program. (1 min)

### Intro to Automotive - Beginner Tools

Cover what tools someone would need if they are beginning their career in the automotive industry as an Oil Change Specialist. (11 min)

### LBCC Automotive Repair

Follow students at LBCC as they learn about Automotive repair. (3 min)

### Video Tour - HVAC, Automotive Collision Repair, Automotive Technology, Welding

Take a quick video tour of our HVAC, Automotive Collision Repair, Automotive Technology, and Welding programs. (3 min)

### BCoT Auto: Spot the Hazards

Watch Brad, our Automotive Technician, handle the equipment in the workshop. (2 min)

## Auto Body Tool Identification

Interactive identification model of various autobody tools. (unlimited) [E](#)

## Auto Body Repair

Identify damaged brake system components and choose which tools are used to repair said parts. (unlimited) [E](#)

## Auto Body Painting

Tool identification and painting practice. (unlimited) [E](#)

## Ford History: Ford Performance History

Experience the history and performance of Ford Motor Company like you've never seen before. Immerse yourself in the Le Mans 24 where Ford GT celebrated its GTE Pro Class win 50 years after their famous podium sweep in 1966. (6 min)

## Logistic Planning and Management

### DB Schenker - Experience Logistics

Experience logistics as close as it gets. Transportation Operations. (7 min)

### Logistics Tour at Würth Elektronik Factory

Discover how we use automated systems and robot technology to make our logistics efficient. (7 min)

### Optoro Warehouse Tour

Visit Optoro Warehouse and learn about logistics. (5 min)

### P3 Logistic Parks

Experience one of the largest logistics parks in Europe, P3 Horni Pocernice in Prague. (3 min)

### Planzer: Warehouse Logistics in Villmergen

Take a look around our state-of-the-art logistics center in Villmergen. (3 min)

### Intro to CDL Training

Experience a Pre-Trip Inspection and Air Brake Test. (unlimited)

## Diesel Tech

See what it takes to become a Diesel Tech and get your hands dirty in this interactive module. (unlimited)

## SWISS Airbus A320 | Geneva – Zurich

Watch the lineup, takeoff, approach, and landing from inside the cockpit of a SWISS Airbus A320 flying from Geneva (GVA) to Zurich (ZRH). (12 min)

## Flight Lessons in VR

Join Torius Moore, as he takes you through a flight check and flight start up sequences for takeoff. (2 min)

## Pre-Flight Check

Follow a flight instructor as they take you through a pre-flight check for a plane to make sure it's ready to fly. (4 min)

## Transportation Operations

### Experience the Life of a Student Pilot| Careers in Aviation

Meet Vianka and follow along as she takes us through the process of becoming a pilot, the different types of pilot licenses, and key topics students need to learn to operate an aircraft. (3 min)

### Council Knife River Trucking

Meet Bill Larson from Knife River Trucking who shares his experiences as a truck driver. (3 min)

### Step Inside your Career: Helicopter Pilot

Let Great Lakes Helicopter take you for a ride and learn what it takes to become a helicopter pilot. (1 min)

### Fly with Me

Follow along with Robbie as he takes you on an r44 helicopter flight and explains basic controls and how to fly. (12 min)

### Explore the FedEx World Hub in

### Memphis

Explore the FedEx Express World Hub in Memphis, TN. Learn how the massive facility and its 10,000 Team Members connect people with the products and shipments they care about. (3 min)

### Deck Officer | Careers at Sea & Beyond

Ever wondered about a day in the life of a deck officer? Follow Jasmine as she shows you a day in her life as a deck officer sailing from Singapore to Shanghai. (4 min)

## Warehousing and Distribution Center

### Dell Supply Chain Factory Tour

Get a glimpse of how your electronics are made, packaged, stored, and distributed. (2 min)

### Inside Copernicus Educational Products

Take a behind-the-scenes look at Copernicus Educational Products, a manufacturer of classroom furniture for over 20 years. (3 min)

### UAW-GM PIV Safety

Experience safety protocols while operating a UAW-GM PIV. (3 min)

### Safety in a Box: Manufacturing (English)

Experience the dangers of workplace accidents within a manufacturing space in this training experience. (8 min)

### Safety in a Box: Manufacturing (Spanish)

Experience the dangers of workplace accidents within a manufacturing space in this training experience. (10 min)