

Possible Futures: Educator's Planning Guide

Edge Factor in partnership with the Center for the Future of Arizona are excited to share e-learning career exploration media that aligns to the Possible Futures Career Exploration Curriculum. This document provides key information for Educators about the learning objectives and goals as well as how to share this content with students.



Option 1: Watch & Share Career Exploration media through Edge Factor

The Possible Futures Career Exploration Curriculum page can be accessed by visiting edgefactor.com/possible-futures. This landing page provides **FREE** career exploration media that can be shared in your classroom. Share inspirational stories of teams of people pushing back the edge of what's possible, career profiles that showcase the day-to-day responsibilities of industry professionals, and go behind closed doors and take a virtual workplace tour.

Students will:

- Students will be able to identify key elements in a variety of workplace settings.
- Student will be able to identify and understand STEAM skills used on the job.
- The student will begin to identify and understand the educational pathways available.
- Students will be able to identify the opportunities available within the industry sectors.



Option 2: Share the Career Exploration media via your districts Learning Management System (LMS)!

Easily share the career exploration media and tools with students by uploading SCORM files onto an LMS alongside the Possible Futures Lessons. We have created SCORM files that feature career exploration media in the following sectors:

- Engineering & Design
- Cybersecurity
- Information Technology
- Health Sciences

[CLICK HERE](#) for instructions on using SCORM files with Blackboard and Canvas.

Overview: Engineering & Design

Edge Factor Content

Video Name	Description	Time
Engineering Overview	Discover the Engineering industry and the diverse career pathways.	2min
Mechanical Engineer	As a Mechanical Engineer, Jane designs and plans engines, machines, and other mechanical systems.	5min
Structural Engineer	Jayleen Martinez, is a Structural Engineer from Boeing. She works with a team to design and build Apache helicopters.	2min
Service Engineer	On camera and off camera, Orville helps Haas customers set up and troubleshoot problems on their new machines.	5min
Mechatronics Engineer	Meet Raul, a Mechatronics Engineer from Larsen & Shaw. Raul designs tests and troubleshoots industrial automation systems.	3min
Manufacturing Engineer	As a Manufacturing Engineer at ABB, Samantha uses STEAM and Soft Skills as her team researches, designs, builds, and ships products.	5min
Civil Engineer	As a Civil Engineer, Holly is responsible for the construction of roads, bridges, and other public facilities and utilities.	5min
Senior Project Engineer	As a Senior Project Engineer, Christian from McCarthy coordinates and monitor progress on a construction project from start to finish.	3min
Design Engineer	As a Design Engineer at Hydac, Maggie uses CAD to design creative solutions for customers who need cooling systems and heat exchangers.	5min
Laser Application Engineer	At Lincoln Electric, Kyle uses mechanical engineering and design to create tooling for robotic laser welding applications.	5min
Bonus: Virtual Workplace Experience	Go behind closed doors and learn about the company, Automatic Guided Vehicles (AGVs), and the safety procedures used in manufacturing heavy equipment.	12min
Bonus: Virtual Workplace Experience	Take a virtual tour and discover the engineering, fabrication, and other processes used to build it.	12min

Overview: Information Technology

Video Name	Description	Time
Information Technology Overview	Discover the IT industry and the diverse career pathways.	2min
Azure Cloud Engineer	Wendy Ruokangas, an Azure Cloud Engineer from Sonora Quest Laboratories. Wendy builds and supports cloud web services.	5min
IT Manager	IT Manager, Ruban Gonzales for Home Assist Health provides computer support services for team members.	2min
Computer Support Specialist	Davey Smith, a Desktop Support Specialist from Yuma County IT Services helps customers operate and troubleshoot.	5min
Cloud Support Associate	After immigrating from India and spending several years in the US military, Gurbhej launched a career in IT at Amazon Web Services.	3min
Bonus: Virtual Workplace Experience	Take a virtual tour and discover the engineering, fabrication, and other processes used to build it.	12min

Overview: Cybersecurity

Video Name	Description	Time
Information Technology Overview	Discover the IT industry and the diverse career pathways.	2min
Cybersecurity Engineer	Ali Sangerman, a Cybersecurity Engineer from Sonora Quest Laboratories who protects network computers and customer information.	5min
Cybersecurity Manager	Yuma County Cybersecurity Manager Jesus Cervantes protects community networks from malicious activities.	2min
Security Analyst	Michael Padilla, an IT Security Analyst from Yuma County IT Services protects computer systems from hackers.	5min
Security Software Engineer	As a Security Software Engineer at Microsoft, Zane develops software, maintains a website, and releases security patches worldwide.	3min
Senior Directory of Enterprise	Eric Pickney, a Senior Director of Enterprise Risk Management from Sonora Quest Laboratories ensures company applications and technology are following tech and legal guidelines.	2min
Bonus: Inspirational Industry Short	The inspirational story of a Boces class, who turn a school project into an award-winning device. Learn how programming and software can change lives.	8 min

Overview: Health Sciences

Video Name	Description	Time
Health Sciences Overview	Discover the Health Sciences industry and the diverse career pathways.	2min
Associate Director of Longterm Care	Crizeida Avitia is an Associate Director of Longterm Care at Home Assist Health. She assists patients with housekeeping, meal prep, laundry, and other personal care services.	3min
Direct Care Worker Trainer	Meet Tanner Paskett, a Trainer for Direct Care Workers at Home Assist Health. Tanner helps Director Care Workers get their certifications.	2min
Lab Technician	Physicians rely on Lab Technicians every day! Showcase this exciting career pathway and how STEAM and Soft Skills come to life.	5min
EEG Technician	Meet Karla Cook, an EEG Technician from HonorHealth. Karla takes scans of hospital patients to test and diagnose their nervous systems.	3min
CNA Therapy	Join Charlene, a CNA Physical Therapist, and learn more about how she uses exercise and patient education to help her patients.	5min
Occupational Therapist	Meet Emily Miller, an Occupational Therapist from HonorHealth. Emily helps hospital patients adjust to daily life after lengthy stays at the hospital.	3min
Social Worker	Michelle Laverman is a Medical Social Worker from HonorHealth. Michelle prepares hospital patients to leave the hospital by providing for social and economic needs.	3min
Surgical Technician	Meet Lidia Parsons, a Certified Surgical Technologist from HonorHealth. Lidia prepares the operating room for surgeries and aids the doctor during medical procedures.	3min
Paramedic	Ashley Delagana is a Paramedic from HonorHealth. Ashley operates medical equipment in emergency vehicles and inside the hospital buildings.	3min
MRI Technician	Advanced physics, math, interpersonal skills, and multi-tasking work together for Cheston as he screens patients in the MRI scanner.	5min
Director of Radiology	Sean makes sure the Radiology team is providing high-quality images and promptly delivering them to health care professionals.	5min
Bonus: Virtual Workplace Experience	Take a Virtual Workplace Tour with Home Assist Health. Learn about career and training opportunities, skills, and certifications required to work in-home care.	10min



Unlock More Career Exploration Resources

Discover how Edge Factor's K-12 Premium membership connects students with 6000+ career exploration resources designed to inspire, engage, and prepare them for their future. Learn more about the interactive career journey, media resources, lesson plans, and more. [Click here](#) to learn more!

Center for Future of Arizona

Arizona Pathways to Prosperity CFA's Pathways to Prosperity team is happy to connect with you. [Click here](#) to learn more about building student college and career readiness.

If you have questions or feedback for Edge Factor, please email us at info@edgefactor.com.