



NEXT-GEN CAREERS

STEM/STEAM Activity Cards

Map your career route!

Stop scrolling for career advice.
Start building your future.

This is your direct pipeline to the most innovative, in-demand jobs.



Bonus Resources



Tool Bundles

FRONT: THE MISSION BRIEFING

The front of every card is your quick, high-impact career download. It's a blend of visuals and key facts that instantly immerse you in a professional world.

Think of it as your **VIP Pass**—a **mission briefing** that gives you the background, the context, and the "why" before you even start.

BACK: THE TECHNICAL CHALLENGE

Flip the card over. This is where the real work begins. You receive a technical challenge straight from a professional's playbook.

The challenge guides you to:

- ◆ **SKILL SYNCHRONIZE:** Instantly connect your current **STEM Skills** (like data analysis, circuit design, and engineering principles) to the core task.
- ◆ **GEAR UP:** Identify and use the exact **Tools and Materials** you have, whether it's specialized software, a robotics kit, or artificial intelligence programs.
- ◆ **GO HANDS-ON: Imagine, Build, and Execute!** This isn't theoretical. Acquire and apply *new skills* as you work through a practical, real-world activity that proves you can do the job.

ELEMENTS OF EACH CARD

FRONT

- 01 Career Description:** A snapshot of the job
- 02 Average Starting Salary:** Expected annual pay for entry-level workers
- 03 Minimum Qualifications:** Education or experience needed to start
- 04 Work Environments:** Typical settings where this job is performed

BACK

- 05 Station of STEM®:** A TechTerra trademarked concept that refers to a system for understanding and organizing learning centers for the purpose of exploring the world of STEM and STEAM
- 06 Materials:** STEM tools and materials needed to complete the card
- 07 Vocabulary:** Highlights key technical terms and industry jargon you will encounter during the activities
- 08 What If:** Future focus and innovation to stretch your thinking about the career concept



Learn more about Next-Gen Careers
www.techterraeducation.com

STATIONS OF STEM®

The Stations of STEM® framework is the foundation of our hands-on approach to learning — connecting Robotics, Drones, Coding, and more with creativity and design to inspire the innovators of tomorrow.



Artificial
Intelligence



Augmented
Reality



Circuitry



Coding



Connected
Learning



Digital
Storytelling



Drones &
Flight



Engineering
Design



Robotics



Learn more about
TechTerra Education's
Stations of STEM®

INDUSTRY COLOR KEY



Technology / Computer Science



Healthcare / Biotech



Renewable Energy / Sustainability



Advanced Manufacturing / Skilled Trade



Business, Finance, Analytics



Creative Industries / Digital Media



Education / Social Services



Transportation / Logistics



Other

