

RAD LAB



Life Sciences Career
Education Toolkit



Did you know?

Oregon's life sciences industry has been one of the fastest growing sectors over the past decade and continues to grow rapidly.

Oregon School Counselors and Career Specialists,

Workforce development is critical to industry retention and a sustainable trajectory of growth, but it's the #1 pain point of Oregon's Life Sciences industry.

Our solution?

Engaging Oregon's future workforce with their #1 preferred platform for entertainment: Mobile gaming. Introducing Oregon Life Sciences' "Rad Lab," the free-to-play mobile video game geared toward middle- and high schoolers that offers gamified career awareness and localized pathways to a meaningful future in Medical Device, Pharmaceutical, Logistics, Distribution, Labs, Research, Health Sciences, and Digital Health.



"The real game WIN will be connecting Oregon students to life-changing careers through game-changing play."

Liisa Bozinovic, Executive Director, Oregon Life Sciences Association

Game Overview

The free-to-play career video game developed to connect your students to local careers in Life Sciences.



Players will learn skills in 3 Life Sciences environments including:

R&D & Clinical Trials // Manufacturing & Production // Distribution

Student Learning Outcomes:

- Recall 100 life/health science and STEM terms, job descriptions and salaries
- Complete industry- and STEM-related life and health sciences proficiencies
- Identify localized courses and pathways to further pursue life and health sciences education or employment in Oregon
- Create personalized avatar that promotes diverse representation

The Lowdown on the Download: Play at skillionairegames.com

- Supported by Oregon Employability Skills (OES)
- Free to play on WebGL on Chromebooks, tablets, laptops and desktops or download from Apple and Google Play: Skillionaire Games > Rad Lab
- Player data compliant with COPPA (Children's Online Privacy Protection Act)



Thank you for your support in connecting students to life-changing careers through game-changing play!

Badging

Players can earn six badges in Rad Lab. Each badge corresponds with industry's most-needed proficiencies and reflects a certain amount of practice and mastery.



RESEARCH AND DEVELOPMENT:

Understand how ideas are conceived and teased out through research, lead discovery, preclinical development, and clinical development.



PRODUCTION AND MANUFACTURING:

Practice precision and accuracy, careful reading, and quick math in the context of bio- and advanced manufacturing.



LOGISTICS AND DISTRIBUTION:

Demonstrate spatial awareness, instruction comprehension, and an eye for detail, as well as an understanding of how life science products make it to market.



SOFT SKILLS:

Gain fluency in important soft skills like problem solving, critical thinking, work ethic, creativity, innovation, and teamwork.



TRIALS AND TRIBULATIONS:

Understand the role of clinical trials, regulations, and compliance in life science while also practicing the ability to “fail forward” and learn from past mistakes.



LIFE SCIENCES SKILLIONAIRE:

Earn all badges and achievements, and practice in-game representations of life science across multiple disciplines.

What's Included In the Rad Lab Resource Toolkit



Click [here](#) to access your free support materials:

- Game Overview & Objectives
- OR Life Sciences Industry Spotlight
- OR Life Sciences Kahoot
- Rad Lab Word Quest: Google Forms



[Click to Play Game Trailer](#)





**STEM UP YOUR GAME
...AND WIN!**

RAD LAB



FREE STEM VIDEO GAME!

DISCOVER HOT CAREERS. MASTER COOL SKILLS.

SKILLIONAIREGAMES.COM/RADLAB



PLAY MADE POSSIBLE BY:



How Can The Game And Materials Be Used In Your School?



Here are a few ideas and examples of how other educators have been engaging students:

1. **Promote the game** using the flyer on previous page for students to play on their own time to have fun learning about STEM, careers and win prizes.
 - Have students show or email screenshot of badges earned for extra credit or homework passes
2. **Play the Life Sciences Facts Kahoot** (5-10 minutes: No gameplay required)
 - Have students research and discover the life science companies near them that they may not have known about.
 - What type of work do they do?
 - What type of jobs and careers do they offer?
 - What kind of job openings do they currently have?
3. **Play Word Quests** (20-30 minutes: Gameplay required)
 - Reinforce in-game career discovery with fill-in-the blank job titles, salaried and local pathways.
4. **Connect Gameplay with a STEM unit** to enhance student retention.
5. **For more educational resources in the field of biotechnology,** visit Innovate Bio at: <https://innovatebio.org/high-school-network>

The game works great on Chromebooks! Please reach out if you would like help working with your district or school IT department to get it approved and whitelisted/installed.

THANK YOU FOR BEING A
GAME CHANGER!



Questions?

Email us at: shelly@oregonlifesciences.org