GAME OVERVIEW

Welcome to Rad Lab: A career video game that connects youth (ages 13-24) to local STEM/life science careers and pathways! Skillsgapp partners with local workforce and industry organizations, colleges and companies to make the Rad Lab career video game available to all schools locally through our in-school and out-of-school deployment initiatives for career awareness and engagement.

In Rad Lab, players get exposed to real-life job scenarios within the three stages of what it takes to get quality healthcare products to the people who need them most: Research and Development; Production and Manufacturing; and Logistics and Distribution. After performing their tasks quickly and accurately, players learn what job they just simulated, how much it pays, the pathways to pursue it locally, and the companies looking for people just like them.

Here's a brief game overview:

Avatar Selection

Players can select from a wide variety of skin tones, hairstyles, and accessories, so they can explore careers while "seeing themselves" in different industries and roles.
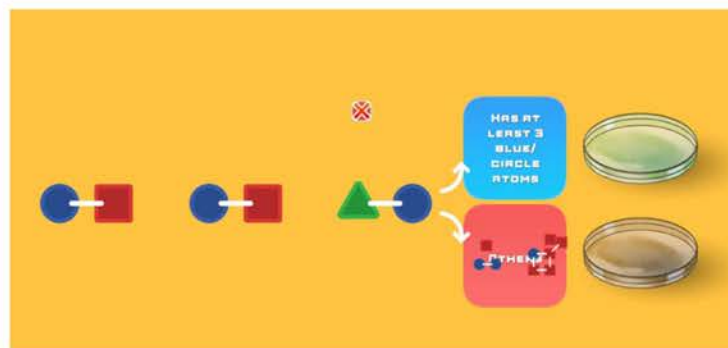
ENVIRONMENT 1: LABORATORY

Concepts Covered: Research and development, clinical trials, FDA compliance, legal
Careers Explored: R+D scientist, medical device engineer, lab assistant, and more
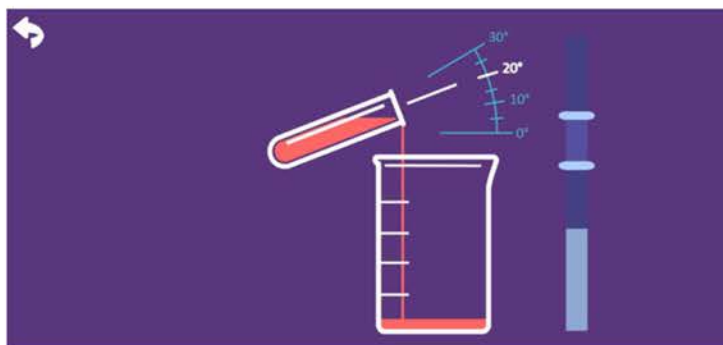
Industry-Relevant Minigames Sampling:
Cleanroom protocol, attention to detail, accuracy

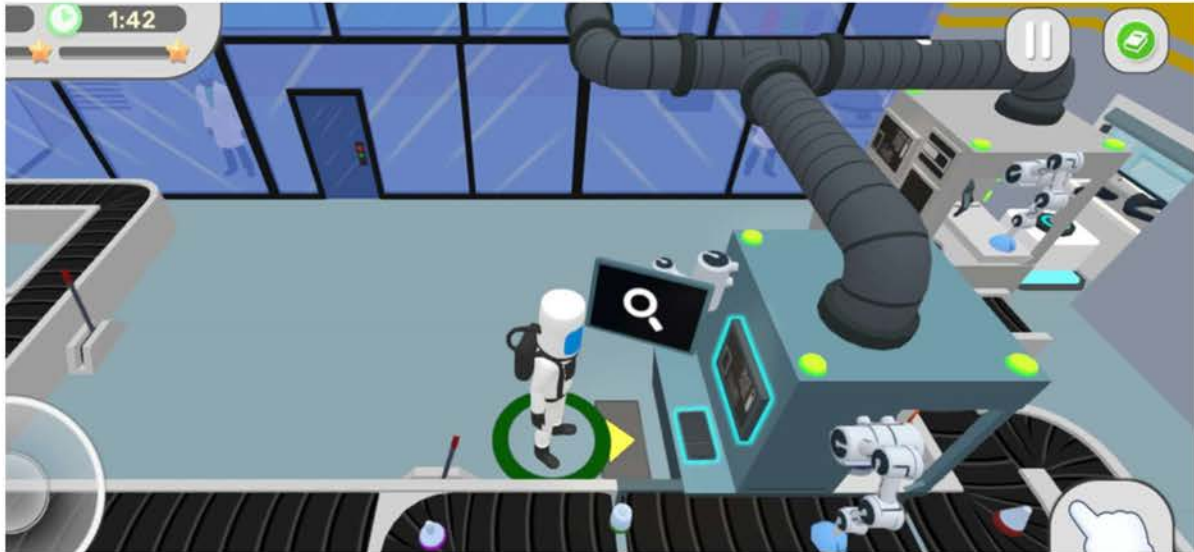Lab Safety - Sanitation and safety compliance

Molecule Sort - Sort suitable molecules according to the listed criteria

Pour Carefully - Be cautious and dextrous as you transfer a specific amount of liquid
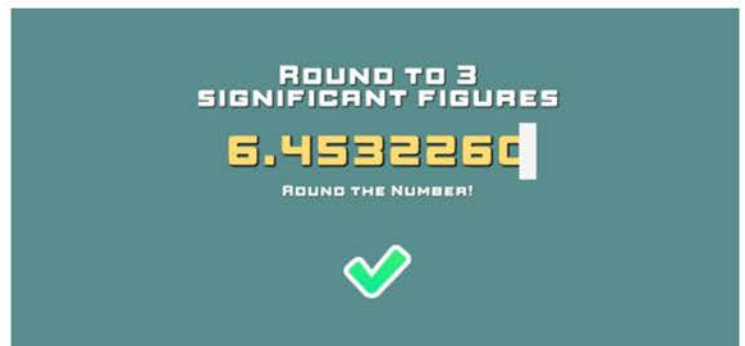
ENVIRONMENT 2: MANUFACTURING

Concepts Covered: Production, manufacturing, assembly, quality assurance
Careers Explored: Medical device assembler, quality control inspector, mechanical engineer, cleanroom technician, and more

Industry-Relevant Minigames Sampling:
Robotics, Basic Math

Robot Programming - Boost efficiency on the line by planning ahead and using "if-then" logic

ROUND TO 3 SIGNIFICANT FIGURES
6.4532260
ROUND THE NUMBER!

Rounding & Significant Figures - Learn how to round in two relevant ways, practicing attention to detail under the pressure of time

ENVIRONMENT 3: LOGISTICS & DISTRIBUTION

Concepts Covered: Packaging, labeling, handling, shipping
Careers Explored: Packaging science expert, inventory and control manager, quality engineer, forklift operator, and more

Industry-Relevant Minigames Sampling:
Accuracy, Sorting

Transcribe - correctly copy the order number to send the order to its next destination

Label Sort - quickly separate shipping labels according to the listed criteria

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.