

# SYSTEMS IN ACTION DIGITAL ESCAPE ROOM

## EDITABLE & DIGITAL

**CHALLENGE #4**

For each input, match the letter of the correct output. The code will be the correct combination of 16 numbers and letters (e.g., 1G).

Inputs	Outputs
1. Food and oxygen	A. Flourishing garden
2. Electricity to a toaster	B. Fire station/department
3. Careful note-taking and studying	C. New shirt
4. Water, air, and sunlight	D. Bread becomes warm until it is toasted
5. Protectors from fire	E. Vehicle stops
6. Cotton, clothing dye, buttons	F. A hockey team
7. Multiple people with a love of and talent for playing hockey	G. Energy for your body
8. Brakes on a vehicle	H. Student aces their test

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# RESOURCE INCLUDES

1. Digital Escape Room
2. 11 Challenges “Locks”
3. Teacher Instructions
4. Student Instructions
5. Answer Key
6. Reflection Questions



Will your students be able to complete the challenges to escape from the railway control room?

# THE RULES

## ESCAPE ROOM RULES



1. Once you and your team are ready to start, hit the timer button. You are not allowed to pause or change the time. Your teacher will tell you how long to set the timer for.
2. Make sure you look at and read **EVERYTHING** in each section including titles, images, etc.
3. Write answers in **ALL CAPS** with **NO SPACES**.
4. You are allowed **ONE FREE HINT**.
5. You can get two more hints, but they will cost you 3 minutes on the clock per hint!
6. Please do not Google the answers.
7. Please do not share your answers with other students.

**STUDENTS CAN  
PLAY:**

- ✓ **INDIVIDUALLY**
- ✓ **PAIRS**
- ✓ **GROUPS**

# THE STORYLINE

## RAILWAY MISHAP



You are on a field trip at the railway hub to see how this busy transportation system works so well. You and your class are in the control room which is absolutely mesmerizing. There are lights and buttons and cameras everywhere with trains flying by on some screens and passengers hurrying in and out of train cars on other screens. You are so busy watching the extremely organized chaos that you don't notice when your class leaves the control room to continue on their tour. When you finally realize they have vanished and open the control room door, you don't see your teacher or classmates anywhere! Solve the next ten locks to make your way back to them.



# SAMPLE CHALLENGE



## CHALLENGE #8



Watch the linked video and answer the questions below.  
Use the answers to create the eight-letter code.

1. Where can the origins of the roller coasters be traced back to?

- A. 18<sup>th</sup> century Germany
- B. Mid 20<sup>th</sup> century America
- C. 16<sup>th</sup> century Canada
- D. Mid 17<sup>th</sup> century Russia

2. What was another name for the giant ice slides?

- A. Russian Mountains
- B. Slip N Slides
- C. Slippery Mountains
- D. Ice Shot

3. How did people stop at the end of the giant ice slides?

- A. They skidded on pavement
- B. They crashed into a pile of sand
- C. They tuck and rolled off the slide
- D. Someone pushed them off the slide

4. The first roller coasters with wheels similar to today's started in:

- A. Quebec
- B. New York City
- C. Sydney
- D. Paris

**STUDENTS  
USE A  
VIDEO TO  
SOLVE THIS  
CHALLENGE**

# LESSON FORMAT



**DIGITAL**

✓ Editable Google Form

A screenshot of a digital escape room form. At the top is a header image showing a close-up of a yellow mechanical structure with several black cables. Below the image is a section header "Section 1 of 16". The main title of the form is "Grade 8 - Systems in Action Digital Escape Room". Below the title is a brief instruction: "Work through each set of challenges to solve the escape room." The form contains three input fields: "First Name \*", "Last Name \*", and "Class Code or Period \*". Each field is followed by a "Short answer text" label and a dotted line for input.

**RESOURCE CAN BE USED IN-PERSON OR ONLINE**

# LOVE DIGITAL ESCAPE ROOMS?

## DIGITAL ESCAPE ROOM MEGA BUNDLE

**EDITABLE & DIGITAL**

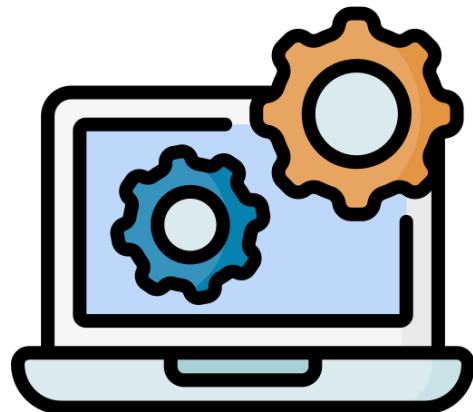
**CHALLENGE #1**

Watch the linked video and answer the questions below.  
Use the answers to create the eight-letter code.

1. Who are the experts that design bridges? A. Mechanics B. Engineers C. Teachers D. Financial Analysts	3. What are strong materials that large, sturdy bridges are often made of? A. Iron and steel B. Plastic and copper C. Steel and plastic D. Copper and iron
2. Which bridge is said to be the world's busiest bridge? A. Golden Gate Bridge B. Sydney Harbor Bridge C. Confederation Bridge D. George Washington Bridge	4. What is the most basic type of bridge? A. Arch bridge B. Suspension bridge C. Beam bridge D. Truss bridge

**11 DIGITAL  
ESCAPE ROOMS**

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and a  
Dog



## DIGITAL ESCAPE ROOM MEGA BUNDLE

Get 11 exciting digital escape rooms to entertain and educate your middle school students. These digital escape rooms reinforce critical thinking, problem solving and literacy skills.

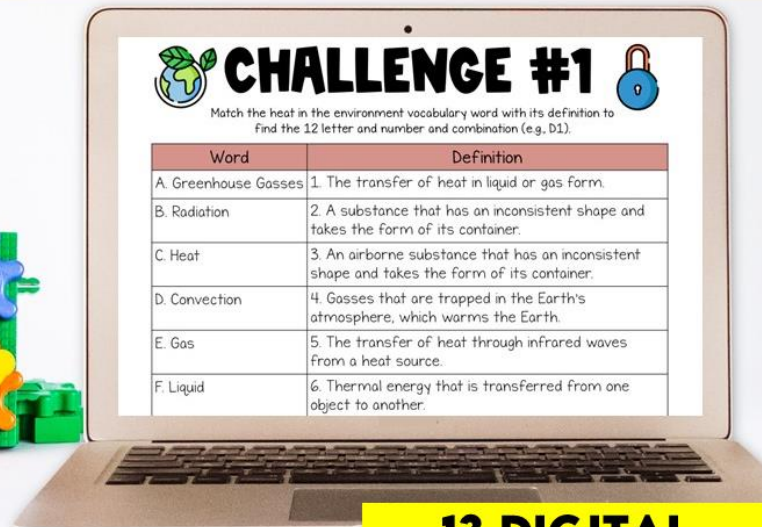
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# TEACH SCIENCE?



## DIGITAL ESCAPE ROOM SCIENCE BUNDLE

EDITABLE & DIGITAL



### CHALLENGE #1

Match the heat in the environment vocabulary word with its definition to find the 12 letter and number combination (e.g. D1).

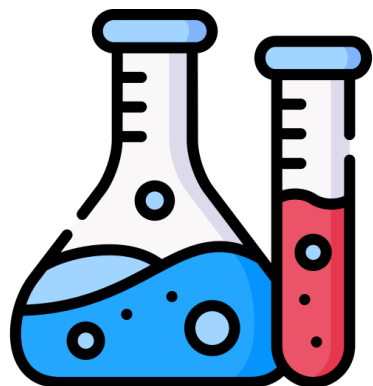
Word	Definition
A. Greenhouse Gasses	1. The transfer of heat in liquid or gas form.
B. Radiation	2. A substance that has an inconsistent shape and takes the form of its container.
C. Heat	3. An airborne substance that has an inconsistent shape and takes the form of its container.
D. Convection	4. Gasses that are trapped in the Earth's atmosphere, which warms the Earth.
E. Gas	5. The transfer of heat through infrared waves from a heat source.
F. Liquid	6. Thermal energy that is transferred from one object to another.

13 DIGITAL  
ESCAPE ROOMS

2 Peas  
and a  
Dog

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