

Breakout EDU - Time Warp

Objectives:

Classroom Teacher Objectives

- Students will demonstrate:
 - teamwork skills
 - creativity and resourcefulness
 - effective speaking and listening skills
 - effective reading and writing skills
 - critical-thinking and problem-solving skills
 - time-, task-, and resource-management skills
 - proficiency with technologies common to a specific occupation

ITRT Objectives

- Students will practice reasoning skills when gathering and evaluating data.
- Students will demonstrate organization and persistence when completing personal and group assignments, activities, and projects.
- Students will apply knowledge and skills to generate innovative ideas, products, processes and solutions.

Procedures: Working with the classroom teacher and our school's ITRT, students will be split into two groups. Each group will be responsible for finding and solving a series of puzzles in order to unlock the locks to open the Breakout EDU box. Students have 45 minutes to complete the task.

Competency/SOL #'s: 6630.3, 7, 8, 9, 10, 15, 18,

Assessment/Evaluation: Students will be observed successfully opening the box. Students will reflect on activity through open class discussion and written responses using Microsoft Forms. See attached for ITRT lesson plan.

Student Reflection:

Assigned Question - Type the Question and then provide an answer.

Assigned Question - Type the Question and then provide an answer.

When we were all trying to decipher the hieroglyphs we all were contributing and talking in line to solve it.

How could your group have been more effective?

We could have tried to be more effective in our research.

Did you take any risks during the game? Why or why not?

I wouldn't say that I took any risks. There was certainly some trial and error involved, but my group and I were on the right track for the whole thing.

Describe how another member of your team exemplified communication

I felt like Kaitlyn, Clara, Bailey, Nicolle, and Abigail all gave their ideas and how they thought things worked and what they thought different clues meant when someone was stuck.

Why did your team succeed or fail in completing the challenge?- Our team succeeded because we all contributed and all used our ideas to help one another.

How did your group work well together?

We would all come up with, consider, and try different answers to the puzzles

Describe a moment when your team became frustrated. How can you avoid that next time?

There was never a time where the team got really frustrated. We had some trouble with the knots so we used a hint and we had a little trouble figuring out the painting

Did everyone in your group have an opportunity to contribute?

Yes. We all worked together to open up the box and shared our ideas about the codes. We all listened to each other and tried what was suggested.

Describe how another member of your team exemplified critical thinking? McKinley figured out the hieroglyphics and how they correlated to the numbers, and also how the blacklight worked and where to look and stuff.

How did you make sure your ideas were heard?- I just talked to my teammates and we were all good at listening to each other's ideas so it wasn't hard to share or be heard

Describe how another member of your team exemplified creativity.

Everyone on my group added a different insight and idea of creativity we all work differently and had different ideas to solve things.

Describe how another member of your team exemplified collaboration:

One of my teammates and I solved one lock by ourselves, working together to figure out the letters/numbers. Also, everyone on my team worked together and gave insight on each lock.

What puzzles did you or your group find the most difficult? - Probably the hieroglyphics, at first

If you were foing to add a new puzzle to this game what would it be and why?

I would add a like every 3 word thing within a paper or paragraph or something

How did your group utilize each individual's strengths?

In our group we had people who were good at finding pieces of the puzzle, people who could put those pieces together, and those who knew where to look for reasoning. For example, Sydney's prior escape room experience came in handy and Clara's ability to know where to look for clues. Nicolle was also helpful, but also a comic relief at times.

How did you contribute to your team?

I found the box and gave creative solutions i also emailed Father Vin to get the answer

I helped figure out the beginnings of the clues and helped piece everything together. I also did a lot of the googling for hieroglyphs and morse code and such.

I tried to give suggestions

I gave suggestions on how to convert letters to numbers, and I looked around for clues.

I helped try to connect the clues and would attempt to open the locks. I also tried talking to my team about my train of thought and what I was trying and how I thought things would make sense.

I changed the hieroglyphics from letters into numbers correctly in order to get one of the locks off.

I suggested answers to the puzzles and looked for clues

I helped interpret the knots and I found the hidden words with the flashlight

I helped solve some of the codes, such as the Morse code one. I also found some of the clues around the room for the group.

I feel like i lightened the mood a bit to make everyone feel like they were having more fun, and also i did the whole $E=mc^2$ thing all by myself without the internet hints or prompting.

I opened up the first lock, which was the directional one. Offered advice and helped by entertaining everyone's ideas so we can try everything to figure out the code

I helped with figuring out the hieroglyphics and the navigational lock. I communicated with my group and helped to figure out clues.

I helped with figuring out the hieroglyphics and changing the letters into the correct number, the RGB colors/strings, and the $E=MC^2$ problem. While doing this, I communicated with my team effectively and efficiently to unlock all of the locks on the box.

I helped with solving puzzles and putting in combinations

I made sure that not everyone was working on the same problem because 2 actually working on a code with 6 other people standing around is not very productive when the six people could spread out.

I helped with finding clues and reasoning out logical answers.
