New Jersey Institute of Technology

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Escape Room Activity

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Escape Room

Submitted by: Natalie Wilson

Name of activity: Escape Room

Age/Grade range: any age, difficulty of escape can be adjusted based on age

STEM discipline(s): Can encompass any STEM discipline

What topic does this activity relate to? Teamwork and problem solving

Pre-activity / Pre-work (what students should know or prepare before doing engaging in this activity; what teachers need to prepare before leading the activity)**:**
N/A

What should the students learn by the end of this activity?
This activity is a way to strengthen students' understanding of any topic by turning it into a competition to solve a puzzle

Tools/supplies needed (indicate quantity and if it needs to be bought + price range):
N/A

Total price (indicate per class or per student):
N/A

Step-by-step instructions on how to conduct the activity (attach link if found online and make note of modifications for your class here): (Include e.g., size of groups, images of materials or people doing the activity that might help the reader lead the activity, helpful supporting materials)
https://activity-mom.com/2018/05/make-your-own-escape-room/

1. Create a set of questions (best questions with a numerical answer, but can also be multiple choice questions in which the correct answer corresponds to a number or letter)
2. Break the students up into small groups (2-4 students) and give each group the set of questions you created
3. Students will have to solve each question in order to get a code. This code can rather be numerical digits to crack the "lock" on their room that they need to escape or numbers that correspond to letters (letters can spell out how they escape)

During activity:

Number of students present:
31

What modifications had to be made to the lesson plans and why (if any)?
Once a group solved the challenge, they assisted other groups that were struggling

Provide feedback: teacher observations, specific student feedback, work products:
The students enjoyed the activity and all groups eventually solved the problem

Post-activity (reflection):

What aspects of the activity worked well?

What can be improved on?

What suggestions do you have to adjust the lesson for different purposes or populations?

If money was spent on tools/supplies, in your opinion, was the investment worth it?

Provide thoughts on alternative materials, steps or other modifications that might be worthwhile for others to consider.