

DIGITAL CLASSROOM ESCAPE PREVIEW & INFORMATION

TANYA YERO Teaching

DIGITAL CLASSROOM ESCAPE

Physical and
Chemical Changes

EASY PREP!

TANYA YERO Teaching

YOU JUST
NEED THE
INTERNET!

FUN FOR
STUDENTS



WHAT IS A DIGITAL ESCAPE?

A digital classroom escape is an interactive activity in which teams of students use clues to solve challenges and unlock “digital locks.” These activities consist of two academic activities aligned to a specific science topic and two puzzlers/challenges. Teacher directions and tips are included!



CHANGING MATTER: PHYSICAL AND CHEMICAL CHANGES

SCIENCE
DIGITAL
ESCAPE

TANIA YERO Teaching

Welcome to the Physical and Chemical Changes Digital Science Escape! Your group of young scientists will need to show mastery of the basic principles of physical and chemical changes in order to advance thru a series of challenges with electronic locks. Pay close attention to details and collaborate with your team members from the short passage below thru each challenge to the final lock where a virtual prize awaits only the most skilled scientists. Hurry, you only have 45 minutes to complete the Physical and Chemical Changes Digital Escape!

Follow these rules:

- Once you and your team are ready to start, hit the timer button. You are not allowed to pause or change the time.
- You are allowed ONE FREE HINT. Afterwards, you are allowed two more hints, but they will cost you three minutes added to your time!

TEACHER DIGITAL C

Activity #1

Activity #1 is a story. With letters are put together on message reads **YOU MAY** to click on the red lightbulb.

Activity #2

Activity #2 is five process standard: 4.MD.3 - Apply real world and mathem. **ANSWERS: C-B-D-B-D** The letters selected in

Activity #3

Students will be given the purple. Students need to arranged by color. Next is factory using the clues on answers for each room so room: Lobby- 135, Restroom Development- 281, Orders/Shipping- 359101, students will be given this unless you use colored po

Activity #4

Activity #4 is five con the standard. **ANSWERS: B-19-EF-C** The letters selected in

TEACHER CLUES/ HINTS CHEAT SHEET

If you have a group that is stuck, you may give them a clue! The first clue is free. Any additional clues will add three extra minutes to the group's finishing time.

CLUES/HINTS FOR ACTIVITY #1

- Do you notice how some letters are colored? Put the letters together.
- Put like-colored letters together. Arrange the words to form a message.
- The message is: **YOU MAY BE BRIGHT BUT START WITH THE RED LIGHT.**

CLUES/HINTS FOR ACTIVITY #2

- Check to see if the group's answers are correct.

LOCK	QUESTION #1	QUESTION #2	QUESTION #3	QUESTION #4	QUESTION #5
LOCK #2	C	B	D	B	D

CLUES/HINTS FOR ACTIVITY #3

- Use the clue that Ms. Markel's favorite colored pen is purple.
- Click on a purple pen.
- Check student work of the area for each room on the map.
- Area of each room: Lobby- 135, Restrooms- 90, Ink Development- 414, Employee Lounge- 255, Marker Development- 288, Packing & Supply- 672, Management- 279, Orders/Shipping- 359
- TOTAL AREA: 2,717
- To find activity #4 click on the white colored pencil.

CLUES/HINTS FOR ACTIVITY #4

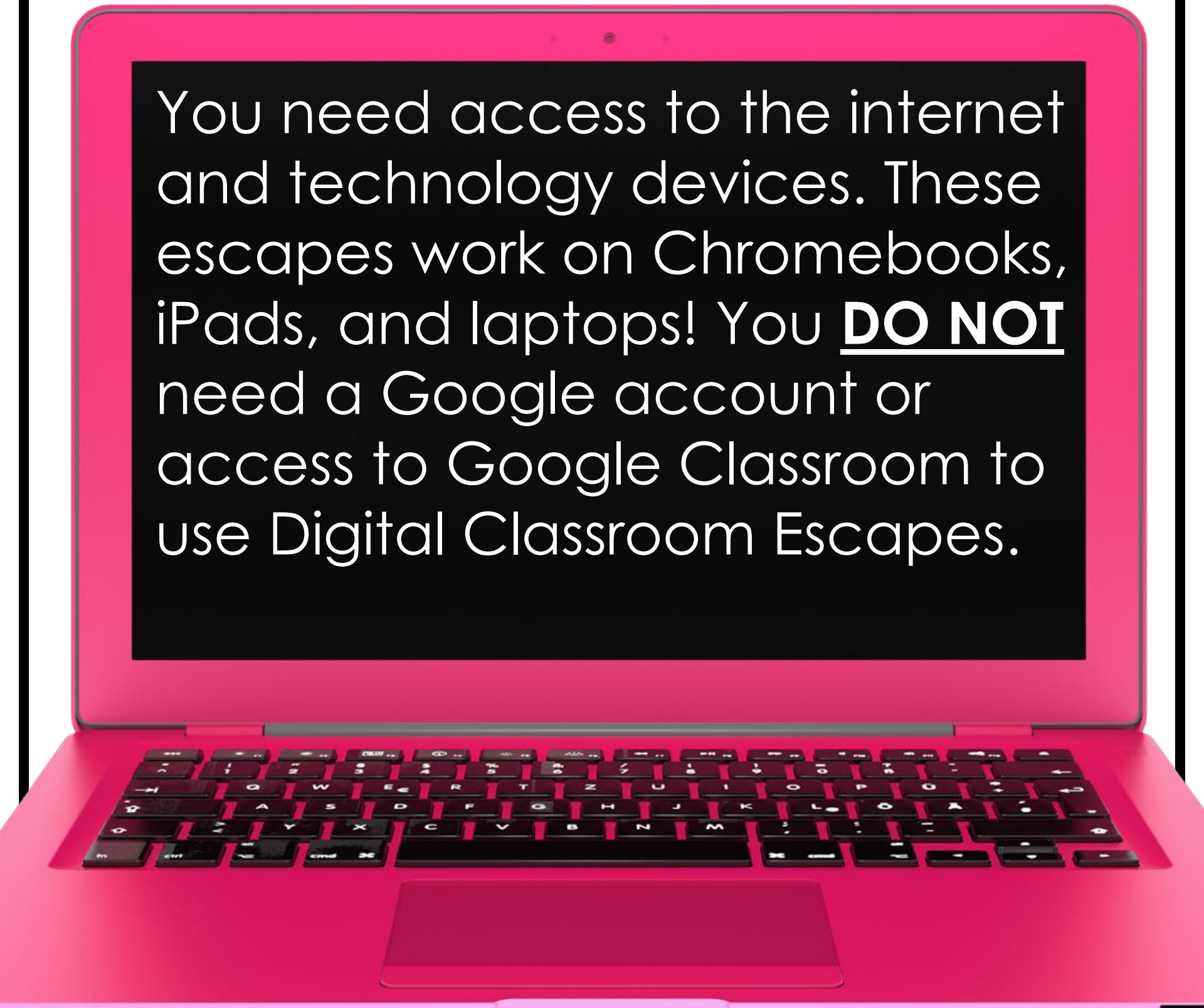
- Check to see if the group's answers are correct.

LOCK	QUESTION #1	QUESTION #2	QUESTION #3	QUESTION #4	QUESTION #5
LOCK #1	B	19	EF	C	C

© TANIA YERO Teaching

WHAT DO I NEED TO ACCESS THESE ESCAPES?

You need access to the internet and technology devices. These escapes work on Chromebooks, iPads, and laptops! You **DO NOT** need a Google account or access to Google Classroom to use Digital Classroom Escapes.



BENEFITS OF A DIGITAL ESCAPE:

- ☐ EASY PREP! Nothing to print except for teacher directions and tips.
- ☐ Interactive for students
- ☐ Immediate student feedback
- ☐ Practice of a specific science topic
- ☐ Promotes team building/ peer collaboration
- ☐ Promotes problem solving skills
- ☐ Targets technology standards

WANT MORE DIGITAL ESCAPES?

Check out our Math Digital Classroom Escapes!



TANYA YERO Teaching