Lessons Learned:
Creating a Virtual Escape Room Experience From a Live Event

How to promote team-building, collaboration and well-being in a virtual world
About us:

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About us:
The American College of Radiology (ACR)

- Founded in 1923, the American College of Radiology® is at the forefront of radiology evolution, representing nearly 40,000 radiologists, radiation oncologists, nuclear medicine physicians and medical physicists.

- **Core Purpose**
  To serve patients and society by empowering members to advance the practice, science and professions of radiological care.
Why an Escape Room?

- Idea brought to us by a Radiology Resident
- ACR looking for innovative ways to engage medical students
- Provide a little radiology knowledge and experience in a fun, interactive way
  - Ultrasound puzzle, IR simulation, imaging, anatomy
We wanted a hands-on experience
It was a hit!
We were ready to go!
COVID-19
The big question ..... How do we turn this from a live event to a virtual event?
Keep the same goals as the live event

• Promote teamwork and collaboration
• Showcase radiology
• Keep it fun
Obstacles in reaching our goals

- Internet searches showed us some “Escape Room” type examples
  - Most were for single person use via form builder
  - Using simple multiple-choice type questions
- We were missing the personal connection
- Lost out on many of the hands-on puzzles
- The #1 Problem - no budget or funding
We rolled up our sleeves, got to work and looked into what tools we currently had available.
What tools did we need?

- A collaboration tool
  - Go To Meeting
  - Microsoft Teams
  - Zoom

- A tool to host the room puzzles
  - Canvas
  - Google Forms & Docs
  - Survey Monkey
  - Jotform
Incorporate lessons from the live Escape Room

- People get stuck – Prepare to provide Hints
- It's an Escape Room! A timer adds a level of urgency and competition
- Variety of puzzles keeps interest
- Play on different strengths – math, language, logic, problem solving
- Different groups get “hung up” on different things
Our first Virtual Escape Room

- Used Zoom
- Asked groups to pick a team leader to share their screen and “run” the puzzles
- Provided all participants with access to the clues
Colleagues & residents:

test drives

- Why do test drives with colleagues?
  - Easily accessible
  - Find gaps
  - Test level of difficulty from a non-medical perspective

- Why do test drives with residents?
  - Find gaps after iterations
  - Test difficulty of puzzles from a medical perspective
Lab assistant provided some information on her favorite places at the institution. Now where to begin?

**Where do you go next?**
- Go to the imaging reading room
- Go to the clinic
- Go to her office
- Go to the library
Prototype testing observations & feedback

• ACR Colleagues
  • Accidentally closed the puzzle form
  • Google docs for clues a little awkward
  • Ack! Medical knowledge too hard!
  • It was fun!

• Radiology Residents
  • Radiology and medical knowledge too easy
  • Clue packet on Google docs, too many tabs open
  • It was fun!
Overarching lessons learned and tips & tricks

- Know your audience – create applicable and engaging storylines and puzzles
- Be prepared to moderate and facilitate engagement
- Gather feedback and adjust as needed
- Use the cameras / video to encourage team members to collaborate
- Host the escape room at the beginning of an event or during breaks
Escape Room Opportunities

UC Davis Pre-Health Conference
prehealthconference.ucdavis.edu

5th Annual Chicagoland Radiology Expo

2021 Medical Student Symposium
Discover the Evolving Field of Radiology
Escape Room, an innovative teaching strategy

• Highly customizable
• Engaging learning environment
• Alternative to didactic lectures
• Immersive learning experience
• Requires minimal resources
Escape room promotes:

- Engagement
- Creativity
- Communications skills
- Delegation of tasks and teamwork
- Critical thinking
- Time management
- Problem solving
- Knowledge retention
- Collaboration
CME Credit for Escape Room Activity

- AMA PRA Category 1 Credit™ can be awarded for participation in virtual, in-person or hybrid escape rooms provided that all AMA PRA core requirements and applicable ACCME requirements are met.

- Possible activity formats:
  - Live
  - Enduring
  - Other
Definition of "Other" Activity Format

• The “other” activity format is used for blended, new, or unique approaches that do not fall into one of the established activity types.

• Providers must identify these activities as “other” in the AMA credit designation statement and include a brief description of the learning format in PARS, in the credit designation statement, and in documentation given to learners (certificates, transcripts, etc.).

• The inclusion of the “other” activity format allows educators to deploy new technologies such as simulation, adaptive e-learning, virtual reality, gamification, and social media into their medical education approaches.

https://accme.org/other-defined
How to create an escape room on your own

Your goal / desired outcome
Know your audience
What tools are available
Be creative
Iterate, iterate, iterate
Have fun with it
The Curious Case of the Missing Radiologist

Enter Your Team Name:

Enter Your Institution(s):

Welcome!

Your team has been tasked to solve the mystery of the missing Radiologist!

Dr. Pickstock, a famous and well-regarded radiology researcher, has been missing for...
Q & A
RADIOLOGY ESCAPES
A Virtual Adventure

https://www.acr.org/Member-Resources/Medical-Student/Medical-Educator-Hub/Escape-Room
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References:


References:


