Gamification of Entrepreneurship and Innovation Pedagogy with Escape Rooms

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Escape Rooms

- **Definition:** a team of players cooperatively discover clues, solve puzzles and complete tasks in order to progress through challenges to achieve a specific goal
- **Uses:** team building, an entertaining way of delivering technical and non-technical skills, to read and acquire or refresh knowledge (Guckian et al. 2020)
- Escape Rooms are a useful gamification strategy in education and provide a new alternative to educators (López-Belmonte, 2020)



Escape Room Experiments at WMG

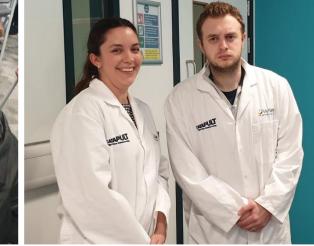




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WMG







GET DUT DF THE GLASSROOM! Dangerous Dr Destruction Anlex:

SERIOUS GAME DESIGN You have just 40 minutes to solve the four puzzles overleaf and get out of the classroom before Dangerous Dr Destruction takes over and locks you in his crazy class forever!

THE FOUR PROBLEMS Below are the four problems for you to solve. You'll find

THEUNIV

further instructions on the back page of this brief. MON But be quick! Remember you've only got 40 minutes! A bow light bulb and a 100W

60W

100W

8

Our secret cod

the other in a circuit. The battery's emf is 230V. Which one glows brighter? Assume the resistance of the bulbs to be ohmic.

E RULES!

of the complete the puzzles in any order, however

But watch out, if you get a question wrong Dangerous Dr Destruction will deduct 5 minutes 50 take your time, but not too much! You really don't want to

be left in his devious, dangerous hands...

after completing each one you must take it to arter compreting each one you must take it to Professor Positivity to reveal a unique digit... The four digits will provide you with the code to ccess your safe (there's a space to write them do n in the inside of this booklet) and you'll be able to complete the final challence

hich one will ill up first? ircle your swer...

bulb aver

one that is able to take place in a system left to itself. No external action is required to make the process go, although in some cases the process may take a very long time.

A process in which a system releases heat to its surroundir is called a (n)

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I. TYPICAL BOA



BREAKING NEWS Pharmalogic

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PharmaLogic

BREAKING NEWS

Challenge ONE COMMUNICATION



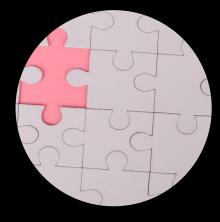
You have three chances to relay the Lego structure you see to your team mates – is your communication clear enough? Challenge **TWO** ATTENTION TO DETAIL



Can you follow step-bystep guidance to produce the required solution? Challenge THREE STAYING AHEAD



Ethical internet research is key to finding the answer to this challenge... Challenge FOUR THE PRESSURE IS ON



It's time to stand back and take a look at the bigger picture – can you successfully systematize chaos? Challenge FIVE PERFECTING THE NARRATIVE



Pharmalogic's value proposition needs identifying and communicating to the chosen advertising agency...



Pharmalogic

Resources Needed

- Lego
- Puzzles
- Paper squares cut to size
- Pens, paper, coloured paper, glue, tape, and scissors
- Internet
- Device to record a video



Concluding Remarks

Limitations

- Requires considerable preparedness
- Effective alignment with module LOs
- Use of clear assessment criteria and feedback
- Works with smaller cohorts
- Not enough guidance in the entrepreneurship pedagogy literature
- Problems in rolling out online



References

- Guckian, J., Eveson, L., and May, H. 2020. The great escape? The rise of the escape room in medical education. Future healthcare journal, 7(2), pp. 112–115. Isabelle, D.A. 2020. Gamification of Entrepreneurship Education. *Decision Sciences Journal of Innovative Education*, 18(2), pp. 203-223.
- López-Belmonte, J., Segura-Robles, A., Fuentes-Cabrera, A., and Parra-González, M.E. 2020. Evaluating Activation and Absence of Negative Effect: Gamification and Escape Rooms for Learning. *International Journal of Environmental Research & Public Health*, 17, pp. 2224.



Happy to Answer Questions



Innovation & Entrepreneurship Escape Room Challenge