The two-edged sword of gaming: The benefit of gaming in territory education Mok, Edwin K.M.

Department of Finance, Chinese University of Hong Kong





If you are interested in gamification



- . Strengthen students' understanding on subject-knowledge, by putting themselves into other people's shoes.
- 2. Foster feelings of enthusiasm towards the subject.
- 3. Keep students' attention in the class, and increase their engagement.

Wanna know about the cons?

 \Rightarrow Paraphrase to:

 \Rightarrow Which dynasty in the past would you most like to live in, and why?

8.	A crocodile is stalking prey located 20 metres further upstream on the opposite bank of a river.	
	Crocodiles travel at different speeds on land and in water.	
	The time taken for the crocodile to reach its prey can be minimised if it swims to a particular point, P, x metres upstream on the other side of the river as shown in the diagram.	
	20 metres	
	The time taken, T , measured in tenths of a second, is given by	
	$T(x) = 5\sqrt{36 + x^2} + 4(20 - x)$	
	(a) (i) Calculate the time taken if the crocodile does not travel on land.	
	(ii) Calculate the time taken if the crocodile swims the shortest distance possible.	
	(b) Between these two extremes there is one value of x which minimises the time	



Don't forget to find out your performance based on the STARS you get!

Finish

Very Good: 76 – 100 🔶 Poor: 0 – 25 Fair: 26 – 50 🏫 Excellent: 100+ Good: 51 – 75 🔶 \sim

• Buckley, P., & Doyle, E. (2016). Gamification and student motivation. Interactive learning environments, 24(6), 1162-1175.

6

- Deterding, S., Dixon, D., Khaled, R., & Nacke, L. (2011). From Game Design Elements to Gamefulness: Defining "Gamification". In A. Lugmayr et al. (Ed.), MindTrek 2011 (pp. 9-15). Tampere, Findland: ACM.
- Garris, R., Ahlers, R. & Driskell, J. E. (2002). Games, motivation and learning: A research and practice model. Simulation & Gaming, 33(4), 441-467.

No

- Kapp, K. M. (2012). The gamification of learning and instruction (p. 93). San Francisco: Wiley.
- Majuri, J., Koivisto, J., & Hamari, J. (2018). Gamification of education and learning: A review of empirical literature. In Proceedings of the 2nd International GamiFIN Conference, GamiFIN 2018. CEUR-WS.
- Nicholson, S. (2015). A recipe for meaningful gamification. In Gamification in education and business (pp. 1-20). Springer, Cham.
- Wilson, K. A., Bedwell, W. L., Lazzara, E. H., Salas, E., Burke, C. S., Estock, J. L., ... & Conkey, C. (2009). Relationships between game attributes and learning outcomes: Review and research proposals. Simulation & gaming, 40(2), 217-266.