

DEDICATION To my Beloved MOTHER

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Inspired By

ABD KARIM ALIAS PROFESSOR Universiti Sains Malaysia

Workshop Learning Outcomes

- At the end of the session, participants are able to:
- i. Integrate gamification concepts and practices in teaching and learning.
- ii. Apply gamification in the form of Web 2.0.

https://pollev.com/mathijl

https://padlet.com/mathi09/gamify



Gamifikasi dalam PdP

» Bantu pelajar lebih aktif, wujud suasana kuliah interaktif

Oleh Rosniza Mohd Taha upenabh.com.my

Pubrajaya

odul pembelajaran berasaskan permainan perlu diperkenal di institusi pengajian tinggi (IPT) bagi memudahkan

pemahaman dan menggalakkan pembabitan aktif pelajar dalam sesi pengajaran dan pembelajaran (PdP).

Ketua Pegawai Eksekutif Agensi Kelayakan Malaysia (MQA), Prof Datuk Dr Rujhan Mustafa, berkata pihaknya bersedia meluluskan pelaksanaan pendekatan fleksibel itu, tanpa kompromi dalam aspek jaminan kualiti dan akreditasi.

Katanya, pelaksanaan gamifikasi atau pendekatan menggunakan kaedah permainan dalam proses PdP mampu menghasilkan suasana kuliah yang lebih menarik dan interaktif, sesuai dengan kecenderungan mahasiswa masa kini

"Dulu, kalau kita belajar, mainmain orang marah. Sekarang kita mahu menggalakkan belajar menerusi permainan seperti diamalkan di Jepun, contohnya, memupuk minat kanak-kanak

tadika dalam bidang sains menerusi aktiviti bermain katak atau menggali tanah mencari cacing.

"Rita minta Kementerian Pendidikan Tinggi (KPT) mempertimbangkan idea ini (gamifikasi) dan menggalakkan IPT memohon program yang menggunakan pendekatan seperti permainan video dalam modul

Tempoh permainan

"Kita akan bantu memantapkan cadangan pelaksanaan contohnya berapa jam tempoh permainan yang sesuai dan memastikan kualiti kandungan permainan sewajarnya," katanya kepada BH ketika ditemui selepas Siri Seminar Mengenai Universiti Masa Depan: Pendidikan Fleksibel di



Peserta seminar mengajukan soalan kepada ahli panel



Idris menyampaikan ucapan selepas selesai Siri Seminar Mengenai Universiti Masa Depan: Pendidikan fleksibel, baru-baru ini.

sini, baru-baru ini.

Rujhan, Naib Canselor yang juga Ketua Pegawai Eksekutif (CEO) Wawasan Open University Sdn Bhd, Prof Datuk Dr Ho Sinn Chye serta Pengasas dan CEO Open learning Global (M) Sdn Bhd, Adam Brimo menjadi ahli panel dalam sesi perhincangan seminar itu yang turut disertai Ketua Setiausaha KPT, Datuk Seri Ir Dr Zaini Ujang sebagai moderator.

Pendidikan fleksibel

Brimo pula berkata, pendekatan pendidikan fleksibel menerusi platform dalam talian membolehkan peningkatan akses pengajian tinggi kerana tidak memerlukan pembinaan lebih banyak bangunan IPT untuk menempatkan pelajar secara fizikal.

Namun, katanya, reka bentuk platform pembelajaran perlu dilaksanakan dengan teliti terutama menekankan pengisian membolehkan kadar interaktif yang tinggi sesama mahasiswa serta antara mahasiswa dengan pensyarah. Ho pula mengingatkan aspek kualiti pengajian tidak harus dikompromi dalam keghairahan menawarkan pendidikan fleksibel.

Katanya, kebanyakan pelajar mengikuti pembelajaran dalam talian sepenuh masa adalah golongan bekerja yang pasti mahu memastikan wang dilaburkan untuk melanjutkan pengajian berbaloi dengan kualiti pendidikan ditawarkan.

"Fleksibiliti hanyalah satu aspek pemudah cara, sementara pendidikan berkualiti harus kekal dijadikan impak diutamakan dalam penawaran pendidikan dalam talian termasuk dengan membabitkan profesor bagi menilai kandungan kursus, pereka grafik bagi memastikan susun letak yang menarik serta penilai luar." katanya.

Merumus hasil perbincangan itu, Menteri Pengajian Tinggi, Datuk Seri Idris Jusoh, berkata IPT perlu lehih fleksibel dalam menangani sebarang perubahan supaya dapat menghadapi revolusi sektor pendidikan tinggi yang sukar dijangka.



Introduction to Gamification



- Gamification is an emerging trend in advertising, business and education.
- Context of education applying gaming principles in non-gaming contexts to enable students more actively engaged and motivated in the learning process.
- Gamification is the use of game elements and game thinking in non-game environments to increase target behaviour and engagement
- It doesn't offer a whole gaming experience, but some game elements are used.

Introduction to Gamification

- Involvement or engagement is one of the greatest challenge to the academician in the tertiary education.
- To motivate students to study and keep them engaged until the end of a semester isn't easy.
- Application of games and game dynamics in the learning design is not a new phenomenon in the learning environment.
- Development and availability of new technologies especially interactive multimedia technology has propelled this field forward, opening up new possibilities.

Introduction to Gamification

Gamification is the application of game-like mechanics to non-game entities to encourage a specific behavior.

Game-based learning is simply learning through games.

This means that gamification is first and foremost about encouragement mechanics and the system that promotes them, while game-based learning is first and foremost about the game and its "cognitive residue" (whether from the game's content, or traditional curriculum).

Both can be used to promote mastery of academic content.

TeachThought

Gamification is about using

Game elements (not full-games)

In a non-game environment (commercial as well as not-for-profit environments)

And game thinking (This doesn't need to involve game technique, it's more about the way games are designed and the idea behind games)

To increase target behaviour and engagement (target behaviour is central to this definition)

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GAME-BASED LEARNING

GAMIFICATION

Games have defined Games are just for fun, May just be a collection of and may or may not have tasks with points or some learning objectives defined rules & objectives form of reward Winning and losing is a Losing may or may not be Losing may or may not be possible because the possible because the part of the game point is to motivate people point is to motivate people to take some action and to take some action and learn as an end result do something. Sometimes just playing Game play comes first, Being intrinsically rewarding is optional. rewards are secondary the game is intrinsically rewarding Gamification is usually Games are usually hard Are usually hard and and expensive to build expensive to build easier and cheaper Story and scenes are part Content is usually Usually game-like features morphed to fit the story are added to the LMS or of the game any other system rather and scenes of the game than the content



Comparison Between Game-Based Learning With Traditional Learning

	Traditional eLearning	Game- Based eLearnin g
Cost effective	YES	YES
Low physical liability	YES	YES
Standardized assessment	YES	YES
Highly engaging	NO	YES
Easy transfer of knowledge to real world environments	NO	YES
Immediate feedback in response to mistakes	NO	YES

Recapture

- The definition of gamification is the application of game-like mechanics to nongame entities to encourage a specific behavior
- Gamification is not game-based learning, nor does it require students to play games, with toys, use electronics.

• Gamification is not game-based learning, nor does it require students to play games, with toys, use electronics.

To encourage a specific response or behavior
To promote competition; to engage students

Recapture

• The definition of game-based learning is simply learning through games.

• Learn what? That depends-could be simply becoming better at the game, but in most educational settings, students will instead learning academic and non-academic content by playing games.

To repackage academic content
To promote critical and strategic thinking
To support both struggling and talented students

Simply....

• Gamification is first and foremost about encouragement mechanics and the system that promotes them, while game-based learning is first t and foremost about the game and its cognitive residue (whether from the game's content, or academic content).

• They each can use one another.

• They both can lead to content mastery, but neither are expressly designed for classroom use- which is why, done well, your students will probably like them.

Change Behaviour and

Increase Engagement

"Fun can obviously change behaviour for the better"

The Fun Theory initiative by German automotive company, Volkswagen.





Gamification Application: Teaching and Learning

Think.... Think.....

□Were you happy when you scored? Were you excited to immediately try a more difficult challenge? Did you feel frustrated when you didn't succeed? Did this make you want to give up right? Did watching someone score more than you make you believe that you could score too, if you practiced more?



Gamification Application

"You create these communities around the game that do an incredible amount of intellectual work, and when they're done with the work, they will leave the game and go to another game that's more challenging. Can you imagine if we had that kind of environment in classrooms?"

- Constance Steinkuehler Squire

Associate Professor in digital media at the University of Wisconsin-Madison

Gamification Application

- Remember: When apply games in your classroom, remember that the game is not replacing you as an instructor.
- Elements of game design, such as storytelling, competition, cooperation, choice and feedback can help engage students.
- Create activities that are based around game formats we are already familiar with, design frameworks around games.
- With the successful application of suitable gamification techniques, information delivered more in an efficient and effective way that can lead to addictive learning process.

Gamification Application

• When To Use Game-Based Learning?

- ✓ If you want to customize your academic content.
- \checkmark If you wish to encourage critical and strategic thinking in the class.
- ✓If you want to engage and motivate the learners who are otherwise not engaged.
- ✓ If you want to support the struggling learners in learning better.

Five-step Process

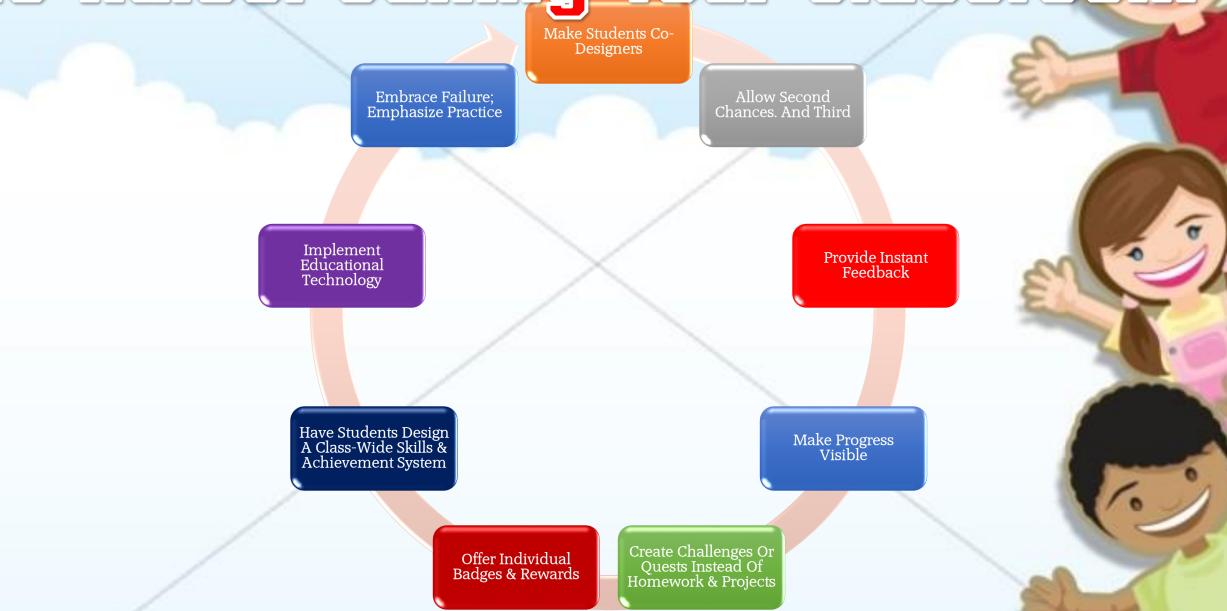
Understandi ng the Target Audience and the Context

Defining Learning Objectives

Structuring the Experience

Identifying Resources Applying Gamificatio n Elements

10 Rules: Gamify Your Classroom



Gamification Encourage.....

Collaboration

Exploration

Creativity

Self Expression

Competitive



Web 2.0 Technology Camification

Some Application

Gamification Tools

Classroom management							
🤕 ClassDojo	þ	ClassDojo					
Assessment Kahoot! Kahoot!							
Socrative Socrative							
	Plickers						
Catch-the-eye							
Genially	blubbr						
Genial.ly	DI	ubbr	TouchCast Studio				
Bulloon							
Powtoon	Tellagami		iMovie				
Specific tools							
		?	BRAINSCAPE				
Silent Light	Duc	olingo	Brainscape				

Classroom Scenario



6

Kahoot



https://www.quizalize.com

STUDENTS START HERE

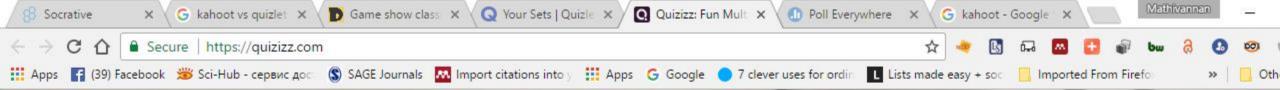
MARKETPLACE

TEACHER LOG IN



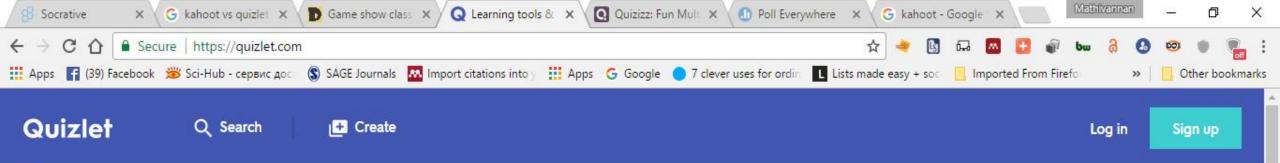
"Number one formative assessment tool"





GET YOUR STUDENTS EXCITED ABOUT LEARNING.

Get Started



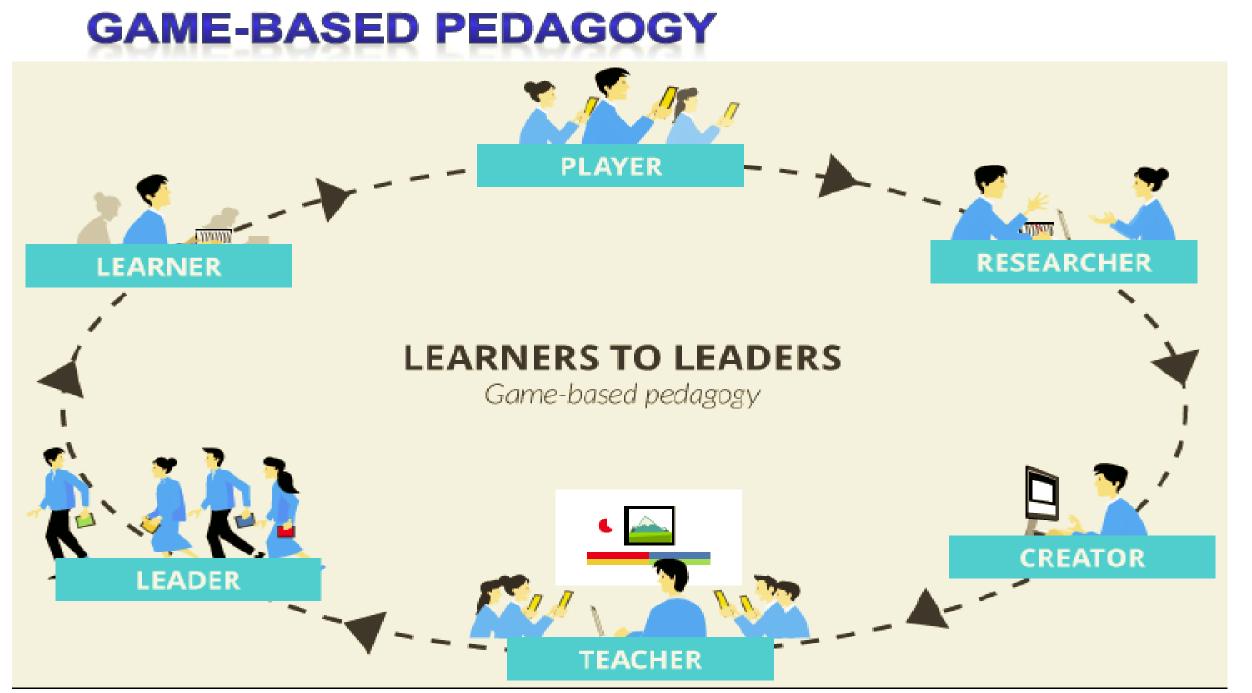
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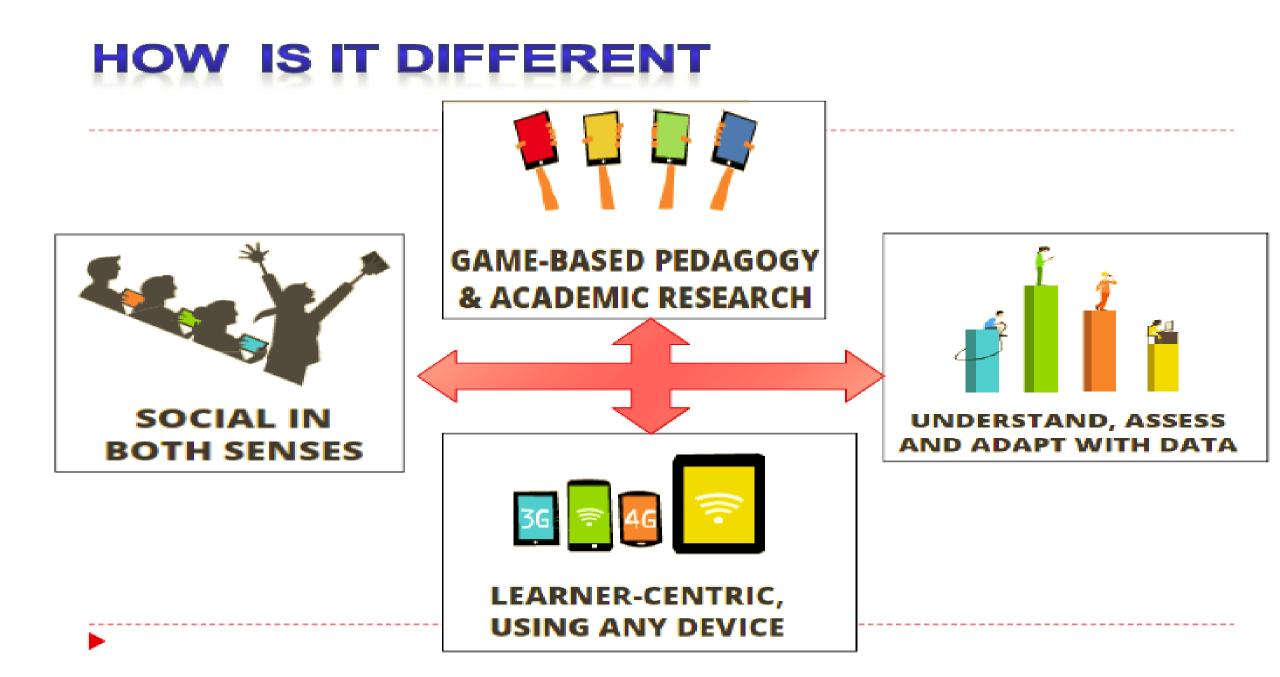
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Get started





Source: https://getkahoot.com/





- https://getkahoot.com/ To create an account
- Creator view



<u>https://kahoot.it</u> – To Play – Learner view



democranical peliabolicom



