

#### Hangman

This muscle originates from the third to fifth junction and inserts onto the medial border coracoid process of the scapula (10, 5).



#### PECTORALIS MINOR

Congratulations !!!

End of game Next word

Grade: 100 %

Grade in whole game: 10 %



more interaction

#### more games

more mentimeters

more videos

### Games in Moodle Dr. Sheila Faherty

School of Science & Computing GMIT

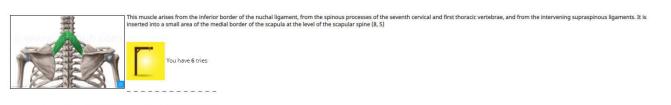
no breakout rooms more engageme hangman millionaire quizzes

### Climbing the UDL Ladder...



#### Digital learning tools

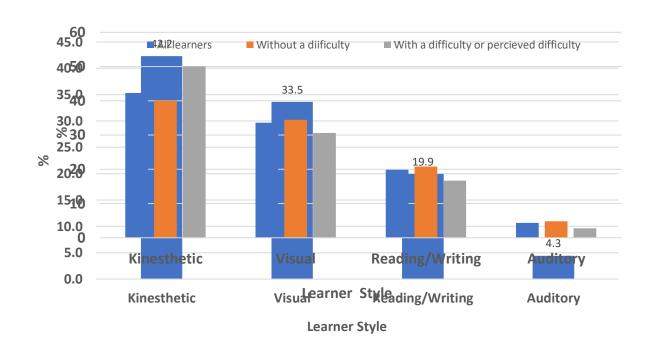
- ✓ Quizzes well liked by students, formative assessment tool
- ✓ Crosswords used for anatomy problem solving activity for learning anatomical language.
  - ✓ Previously paper based but Moodle offered them digitally Difficult for a student with dyslexia
- ✓ Hangman improved learning experience for this student
  - ✓ What works as an activity?



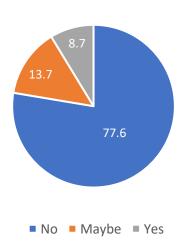
Anterior Muscles of the Bod

## **Survey Population**

- 161 students, 73% Biology
  27% Anatomy & Physiology
- No significant difference between learner styles in both groups.
- 9 % (n=14) of students had a learning difficulty.
- Further 14% (n=22) perceived that they may have a learning difficulty.

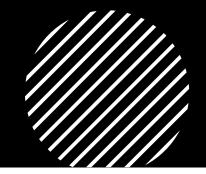


#### **Learning Difficulty**





# Data Analysis- Likert questions on Hangman & Millionaire



Likert scale data was reduced by principal component analysis in SPSS.

14 questions on games

PCA analysis analyses correlations between variables – determine a smaller number of components to explain all the correlations in a more succinct solution.

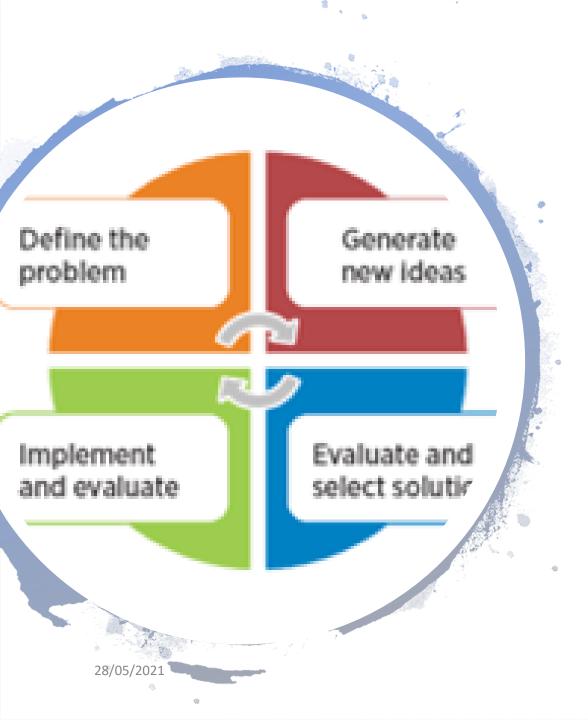
Fourteen variables – on games distilled into three factors.

Kaiser-Meyer-Olkin Measure of Sampling Adequacy 0.859

Bartlett's Test of Sphericity, p0.0000

## Components

Millionaire 32%	Hangman 22%	Learning 14%
Millionaire_I was motivated to get a	Hangman is a good learning tool for my style of	Hangman_I learned more from doing (playing)
good/perfect score in the game.	learning.	the game rather than I did from watching a video/lecture.
Millionaire is a good learning tool for my style of	Hangman I enjoyed this game	Hangman_Images linked to the game helped me
learning.		visualise the structure and link this to the
		spelling.
Millionaire_enjoyed this game.	Hangman was fun.	Millionaire_I learned more from doing (playing)
		the game rather than I did from watching a
		video/lecture.
Millionaire is fun	Hangman I was motivated to get perfect score	Hangman helped me learn how to spell
		anatomical/biological jargon.
Millionare helped me learn how to spell	Hangman helped me learn how to spell	
anatomical/biological jargon.	anatomical/biological jargon.	
Images linked to the game helped me visualise		
the structure and link this to the spelling		
Millionaire_I learned more from doing (playing)		
the game rather than I did from watching a		
video/lecture.		



# UDL Ladder: Inclusion

Same LO different activity: Not all activates are equal.

A variety of games improved learner experiences.

Learning by doing – not by listening

VLE enables us to adapt to learner styles for engagement