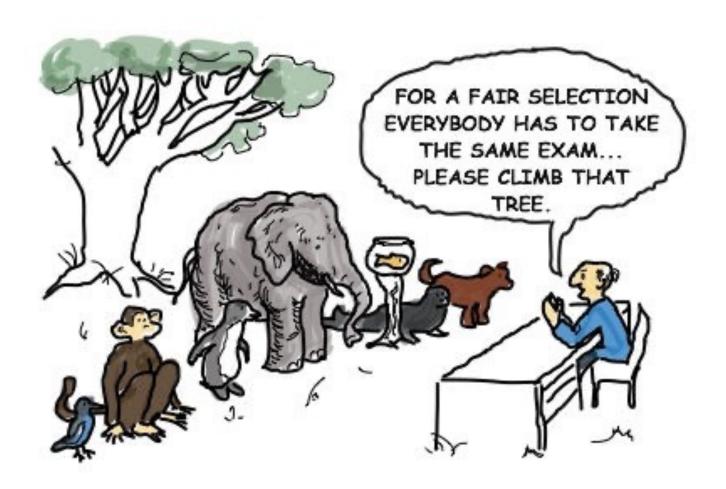


Multiple intelligence in Personalized Teaching and Learning Practice

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If you judge a fish by its ability to climb a tree, it will sprand its whole life believing its Stupid" - Unknown

What is Personalized Teaching & Learning?

 An educational approach that aims to customize learning for each student's strengths, needs, skills and interests.

• What mechanism we should deploy for 'personalized' T&L, but not

leaving anyone behind?



Gardner's theory of multiple intelligences





Research question:

One size does not fit all in education, will multiple intelligences-based teaching strategies enhance the students' learning experience and lead to a better acquisition of knowledge?



Methodology

Multiple intelligence profiling by McKenzie's Multiple Intelligences Inventory tool



Design & development of teaching strategies



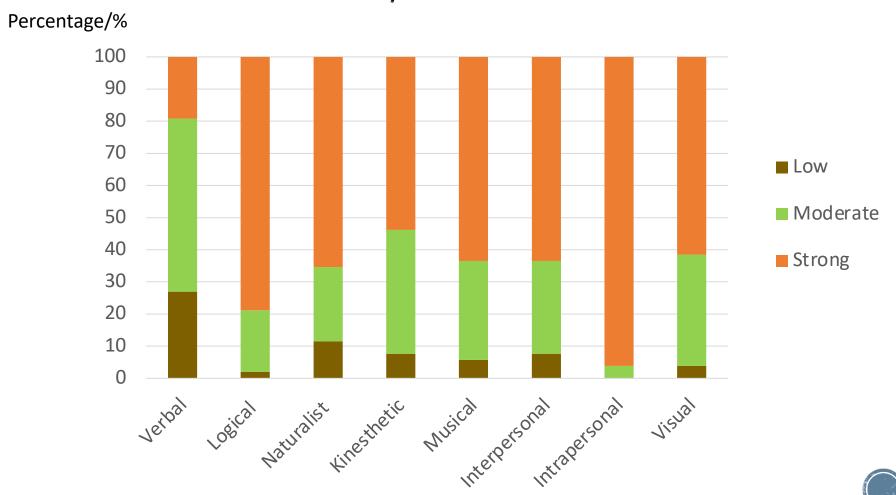
Pilot study in Sem 1, 2019/2020



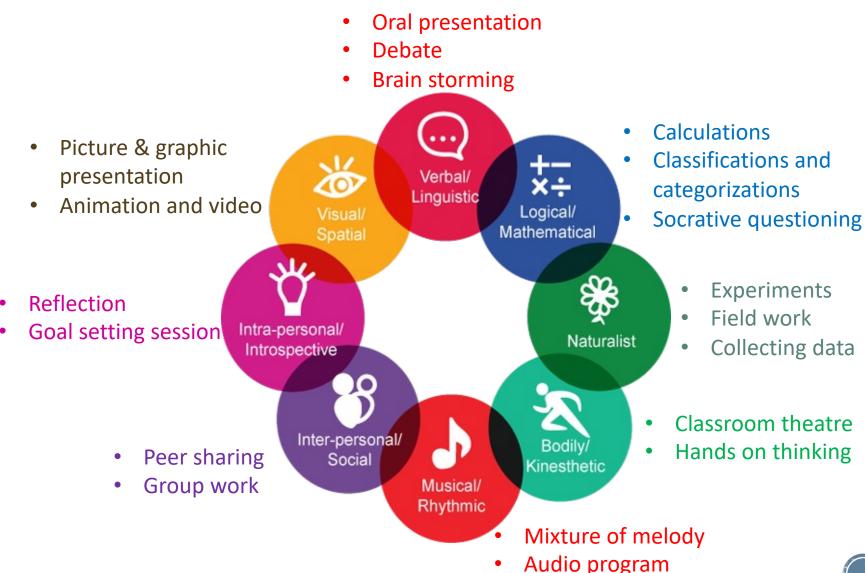
Implementation in Sem 2 2019/2020



Multiple intelligence profiles among the first year Biomedical Science Degree students, 2019/2020 intake



Teaching and Learning Strategies for Different Multiple Intelligence Profiles



Pilot study: Assignment in the MIC1002 Cell Biology course



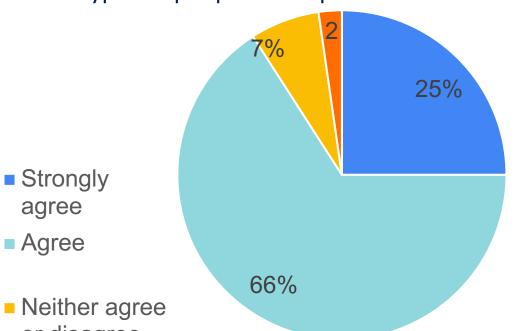


Music assignment submission

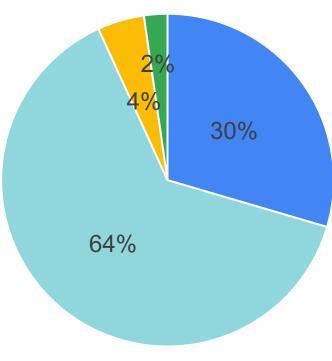


Post-assignment survey

I noticed my group consisted different types of people with specific skills



I learned from my team members



Strongly disagree

Disagree

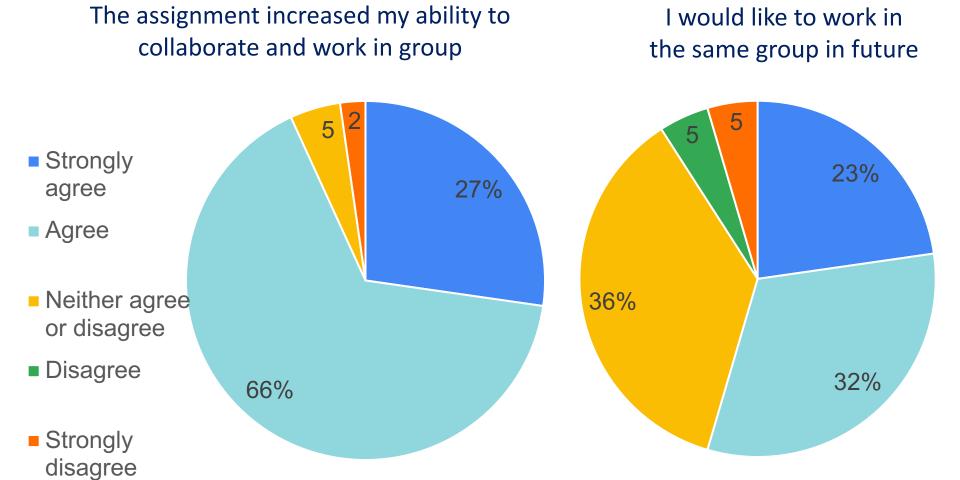
or disagree

Strongly

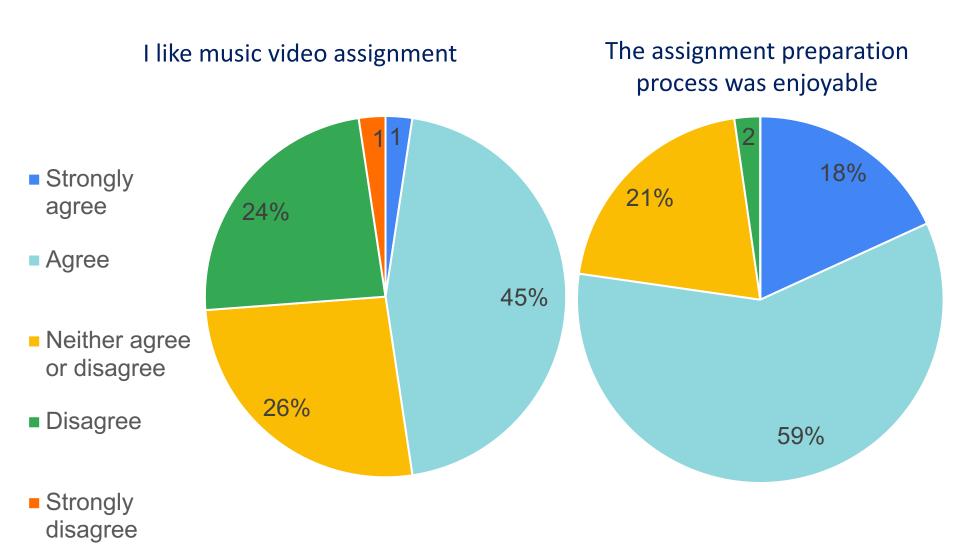
agree

Agree











Implementation (Sem 2, 2019/2020):

MIC1005 Epidemiology and Biostatistics

Course Learning Outcomes:

- Define basic concepts of epidemiology and biostatistics
- Recognize the applications of epidemiology and biostatistics in biomedical science
- Demonstrate the applications of epidemiology and biostatistics in biomedical science.

Assessment plan:

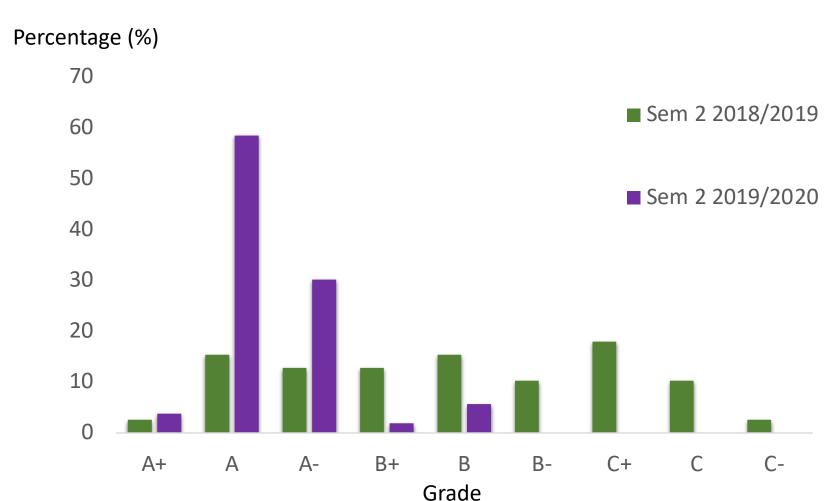
50 % Written test (Continuous assessment)

50 % Final exam (Summative assessment)



Students performance in MIC1005

Sem2, 2018/2019 VS Sem 2, 2019/2020





Assessment plan in MIC1005

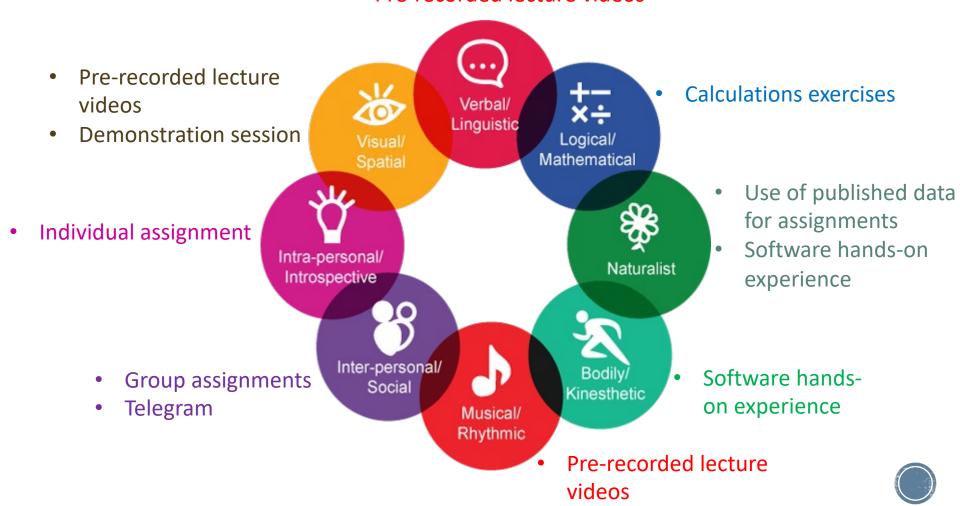
Sem2, 2018/2019 VS Sem 2, 2019/2020

Sem 2, 2018/2019	Sem 2, 2019/2020
Continuous assessment: 50 % Written test	Continuous assessment: 10 % Written test 40% Assignment
Summative assessment: 50 % Final exam	Summative assessment: 50 % Final exam

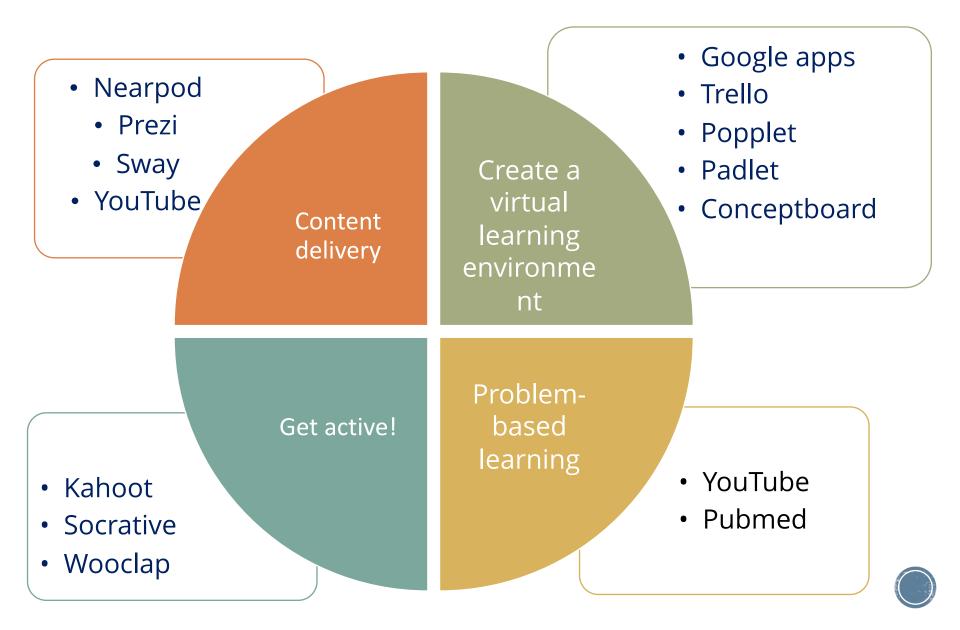


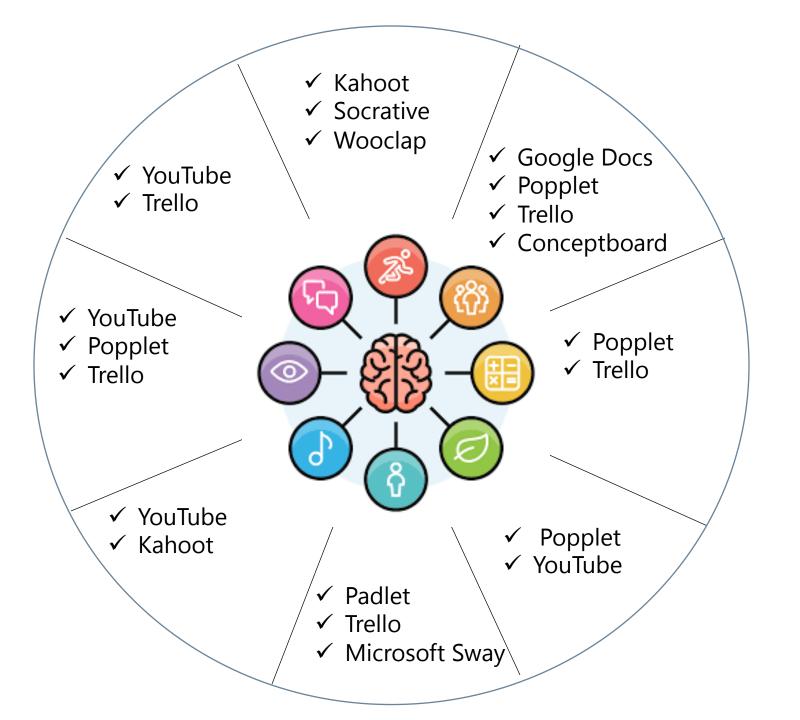
What are the T&L strategies that improved students performance?

- Synchronised discussion session
- Pre-recorded lecture videos

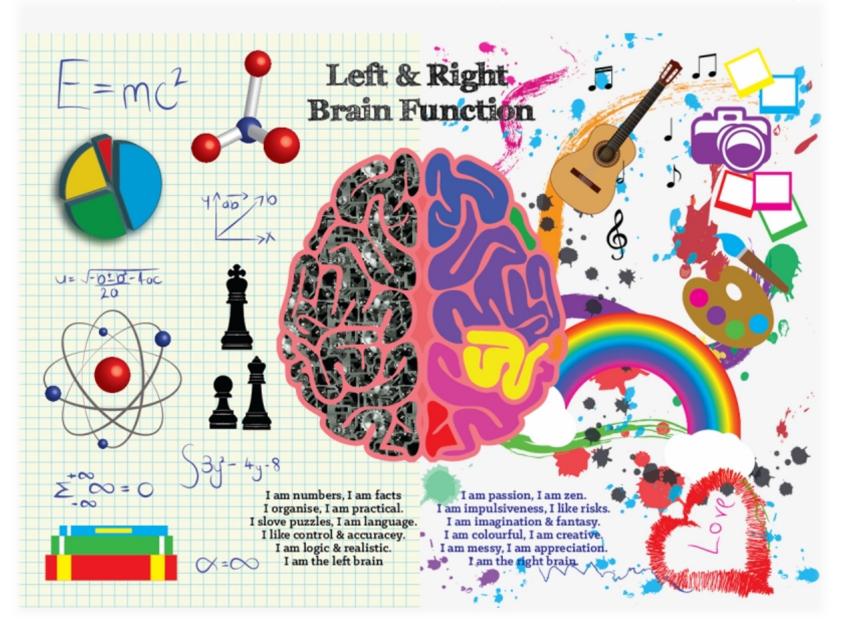


Using Technology to Support Multiple Intelligences Theory





Variety is the key to learning



Thank you