Assessment and feedback symposium, 04-05 March 2020

University of the Highlands and Islands
Oilthigh na Gàidhealtachd agus nan Eilean

Learning and Teaching Academy
Acadamaidh Ionnsachaidh is Teagaisg

Using Brightspace quizzes

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USING BRIGHTSPACE QUIZZES: OPTIONS?

BRIGHTSPACE USED	SQA EQUIVALENT
True or False	Alternative Response
Multiple Choice	Multiple Choice
Multi-Select	Multiple Response
Fill in the Blanks	Cloze Questions
Matching	Grid Questions
Ordering	
Arithmetic	Short Answer

| BRIGHTSPACE NOT USED |
|---|
| Written Response |
| Short Answer |
| Multi-Short Answer |
| Significant Figures |
| |
| |
| |

USING BRIGHTSPACE QUIZZES:
SQA ACADEMY (https://www.sqaacademy.org.uk/):

Courses:

Produce HN Unit Assessments for successful prior verification.

Developing Assessment Support Packs – Training for Writers and Vetters.

Guides:

Guide to Assessment
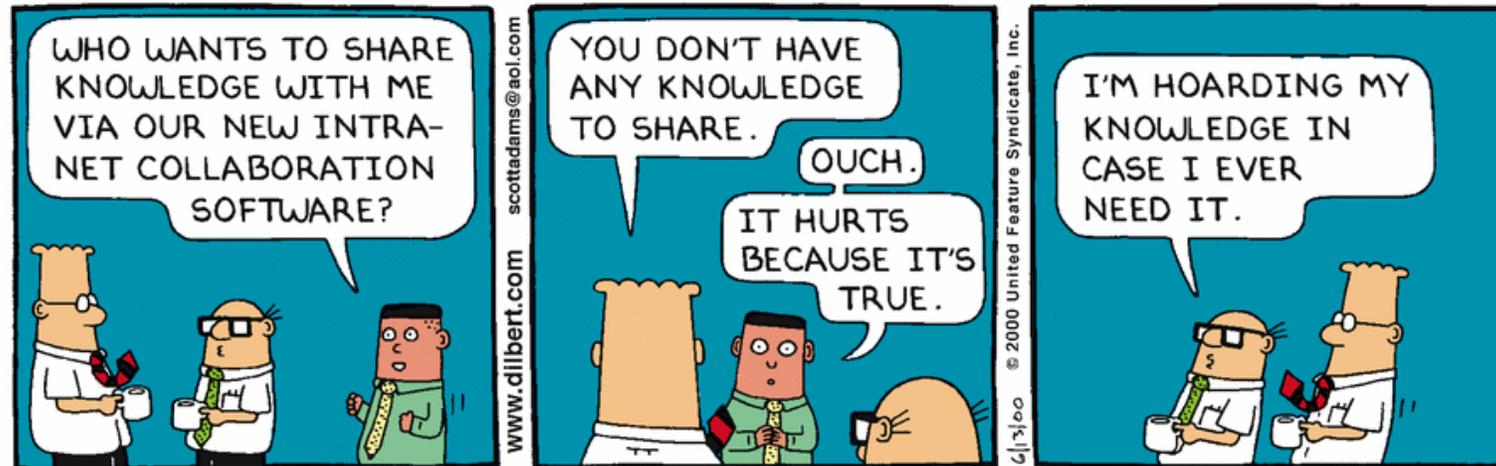
USING BRIGHTSPACE QUIZZES:
WHY USE FORMATIVE ASSESSMENT?

Use of selected/constructed response for criterion referenced formative assessment

- To give timely, direct and constructive feedback and feedforward.

- To provide motivation.

- To promote self-reflection and self-evaluation.

- To identify future learning needs.

WE NEED MORE OF WHAT THE MANAGEMENT EXPERTS CALL "EMPLOYEE ENGAGEMENT."

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All assessment should be valid, reliable, practicable, equitable and fair (SQA 2009:8)

Note that if you want to reuse Brightspace (BS) Quiz Questions they need to be created in or imported to Quiz Library

USING BRIGHTSPACE QUIZZES: SELECTED RESPONSE QUESTIONS

ADVANTAGES	DISADVANTAGES
Automatic Marking	Difficult to assess higher order cognitive skills
Instant Feedback	Can't assess creativity
Suited to online	Doesn't assess writing skills
Can cover deep and broad knowledge	Biased to students with good reading skills
Reliable and objective	Limited to recall of facts

USING BRIGHTSPACE QUIZZES: MULTIPLE CHOICE (MC)

Student chooses a single correct 'key' answer from a list including 'distractor' answers.

- All distractors should be feasible and unambiguous.

- Negative statements should be avoided.

- Unintentional clues should be avoided.

- The position of the key should be randomised.

- There must be only one key.

- All answers should be roughly the same length and not too lengthy.

- BS allows more than 4 answers, but 4 is optimal.

- BS allows weighting of question (points).

USING BRIGHTSPACE QUIZZES: MULTI-SELECT (M-S)

Student chooses one or more correct answers from a list including 'distractor' answers.

- Similar but more complex than multiple choice.

- Do you tell students the number of correct answers?

- Is credit given for partial answers? BS has "all or nothing", "right minus wrong" and "correct answers" selections.

- BS allows selection of difficulty level and points allocation.

- BS allows question hint and overall question feedback.

- BS allows more than 4 answers and different feedback can be given for each answer.

USING BRIGHTSPACE QUIZZES: MATCHING QUESTIONS (MAT)

Student is given a list of statements and, from a list of responses, indicates which answer corresponds to which statement.

- There should be more answers than questions (to reduce guesswork).

- Restricted to questions where there are 4 or more plausible responses.

- Statements and answers should be short and unambiguous.

- BS can have multiple answers for each statement.

- BS can give individual question and overall question feedback.

- Is credit given for partial answers? BS has "all or nothing", "right minus wrong" and "equally weighted" selections.

USING BRIGHTSPACE QUIZZES:
TRUE OR FALSE (T/F)

The answer to the question is either True or False.

- Can be used as an encouraging lead-in to more complex assessment.

- Only for formative assessment, as too easy to guess answer.

- Good for online and automatic marking.

- Could be used as a discussion generator.

- Avoid lengthy and ambiguous statements.

- Avoid negative statements.

- BS doesn't have a yes/no option.

- BS doesn't have a 'not known' option to counteract guesswork.

I NEED SOMETHING CALLED A "DECISION."

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USING BRIGHTSPACE QUIZZES: FILL-IN-BLANK QUESTIONS (FIB)

Student is given a sentence with missing words and selects appropriate word for blank.

- Allows quick response and can be useful for second language students.
- Requires student to use correct spelling.
- Avoid having too many blanks and keep answers short
- Not as easy to automatically mark, but can be mitigated by providing a list of answers.
- The correct answers need to cover all possible correct responses. BS allows additional answers with different grade weighting.
- BS can be case insensitive and can look for unusual characters (Regular Expression).

USING BRIGHTSPACE QUIZZES: ARITHMETIC QUESTIONS (2+2)

Student fills in answer to a calculation question.

- Complicated to set up in BS.
- BS allows answer precision to be enforced.
- BS rounds down answer to decimal point precision.
- BS allows answer tolerance to be set in units or percent.
- BS can award marks for correct units of measurements and these can be case insensitive and include unusual characters.
- Variables are enclosed in curly brackets and set in the variables box. The step determines the amount each variable can change.
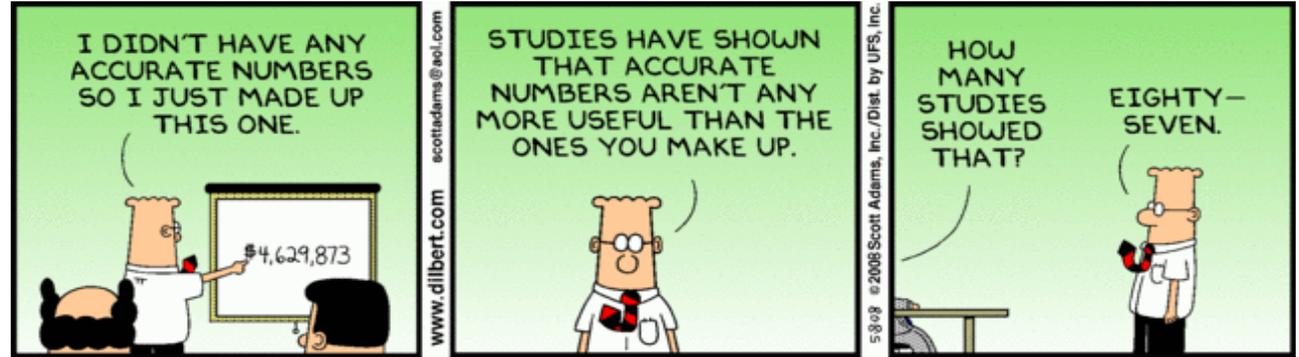
USING BRIGHTSPACE QUIZZES: ANALYSIS OF ELECTRONICS 3 MODULE

Weekly Quiz, 10 to 15 questions, using MC, M-S, MAT, T/F, FIB, and 2+2

Class size = 25 – 11 withdrawals = 14

Grades pie chart: A, 7; B, 2; C, 1; D, 2; F or MC, 2

Bar chart — Quizzes Engagement: Range, Mode, Median, Mean. Content Engagement: Range, Mode, Median, Mean.
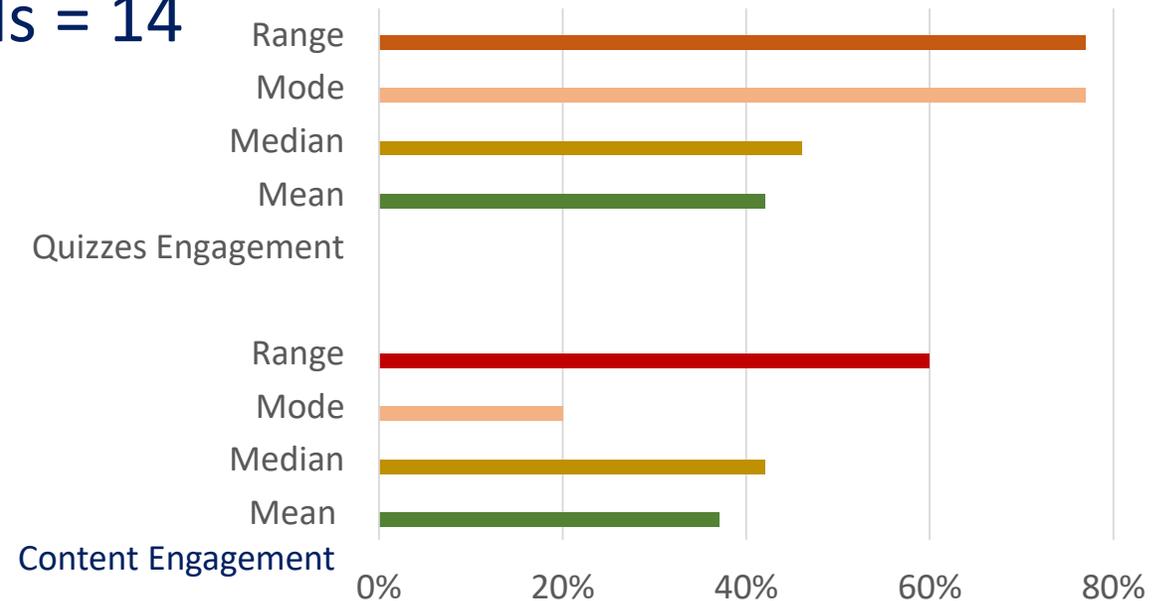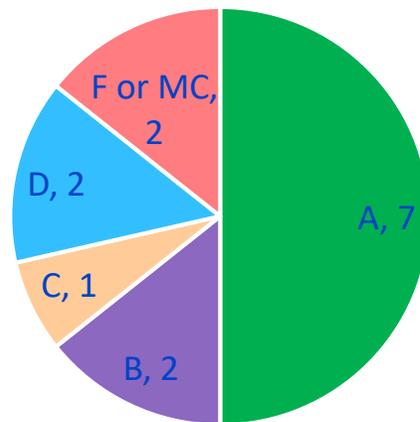
Mode data suggests that quizzes are slightly more popular than content, but median and mean suggest equality between content and quizzes. There is no obvious link between engagement and achieved grades.

USING BS RUBRICS: REFERENCES

Hillier, L. (2018) *Best Practices: The Quiz Tool* [online]. Available from https://community.brightspace.com/s/article/Best-Practices-The-Quiz-Tool [24/02/20]

SQA (2009) *Guide to Assessment*. Glasgow: SQA

SQA Academy (n.d.) *Developing Assessment Support Packs – Training for Writers and Vetters* [online]. Available from https://www.sqaacademy.org.uk/course/view.php?id=460 [24/02/20]

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