

Did you know? There are many common issues related to multiple choice exams

At the exam-level

- Nature of content Emphasized
- Adequacy of time allocated

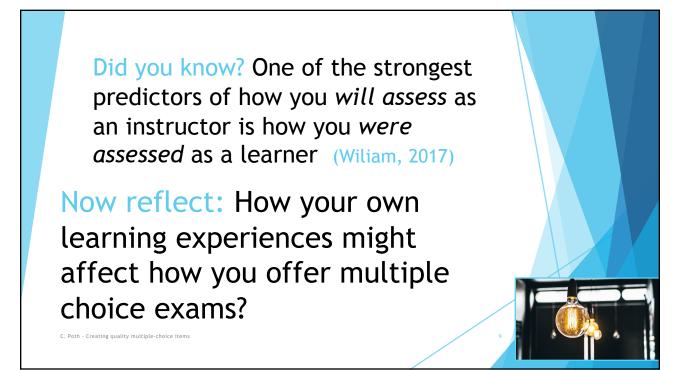
C. Poth - Creating quality multiple-choice ite

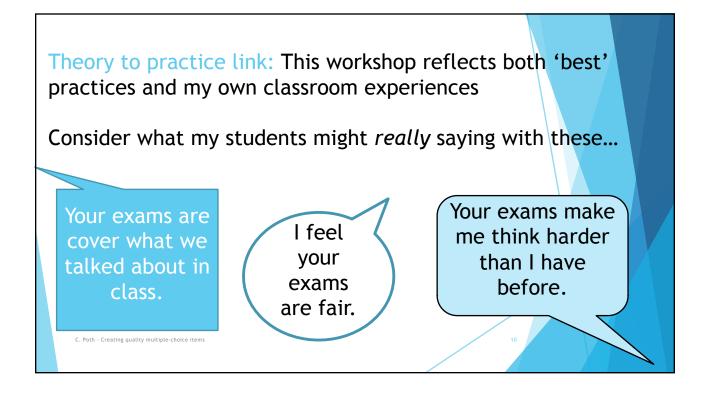
Balance of difficulty

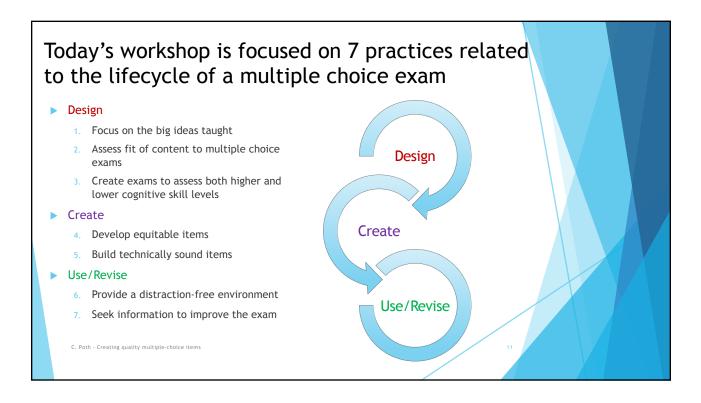
Others?

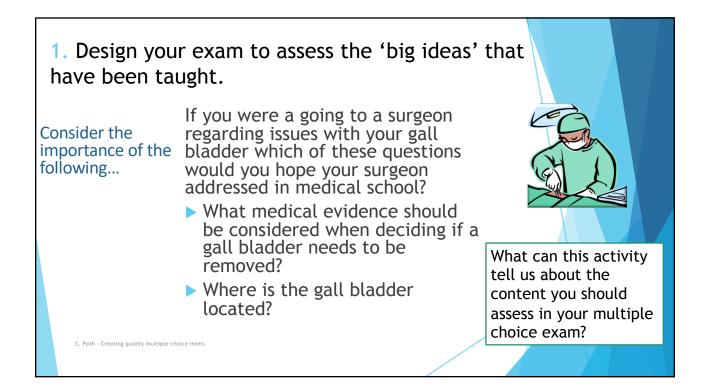
At the item-level

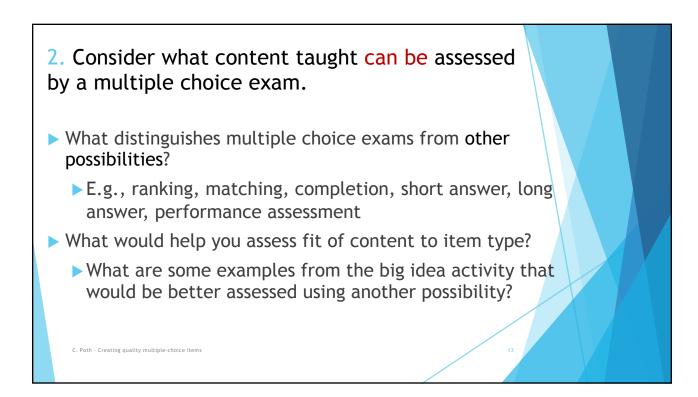
- Use of unfamiliar vocabulary
- Unfamiliar cultural references
- Linking to previous knowledge
- Over-emphasis on reading
- ▶ Fit of format to content
- Others?

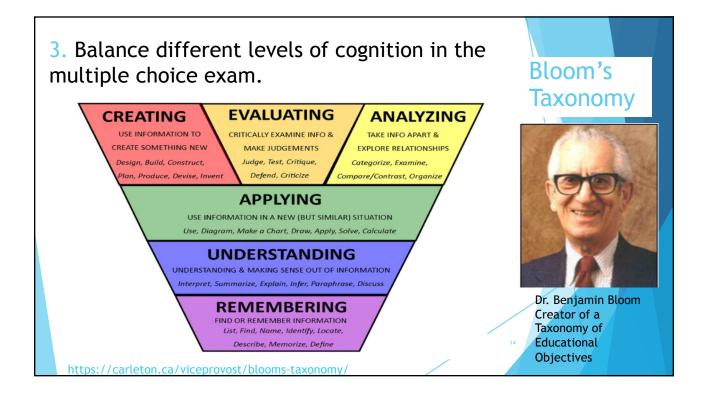


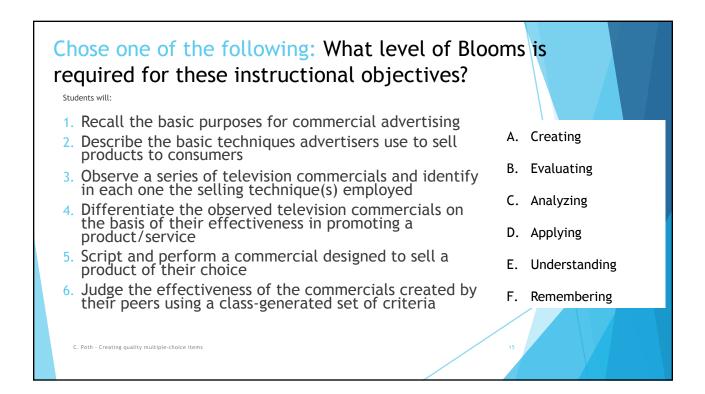






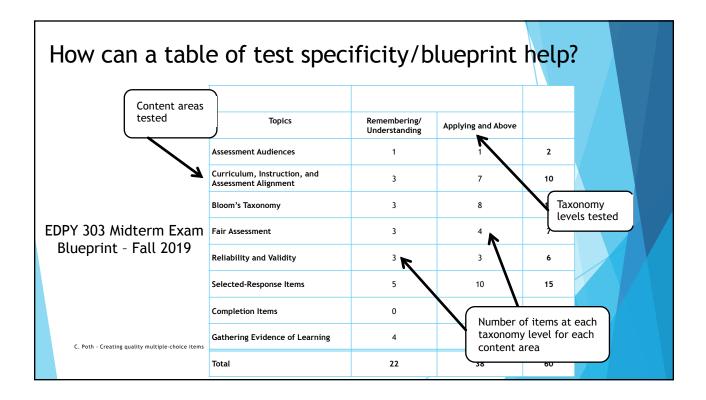


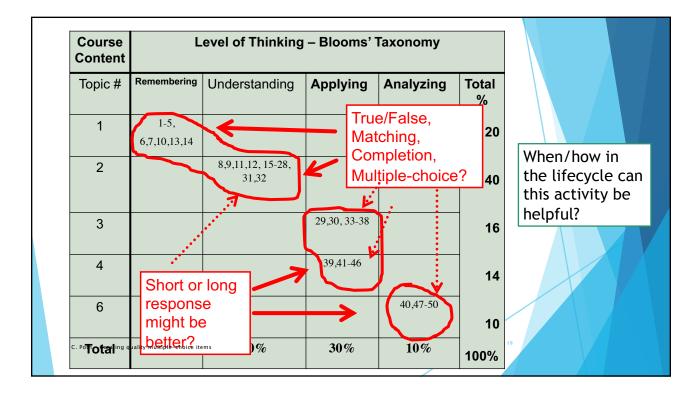


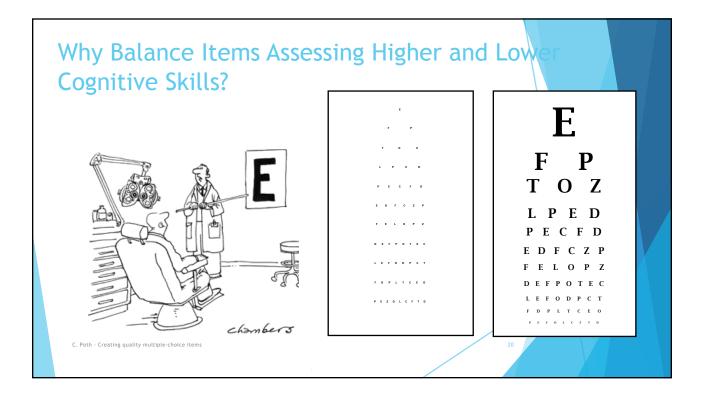


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	Multiple choice	Short/Long Answer	Performance Assessment	
Remembering	***	***		How might this information
Understanding	***		**	influence your de of a multiple cho
Applying		***	***	exam?
Analyzing	***		***	
Evaluating	*	\$	***	
Creating		***	****	



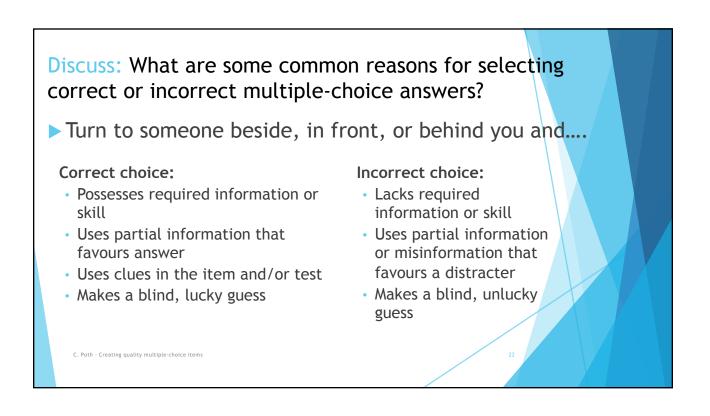


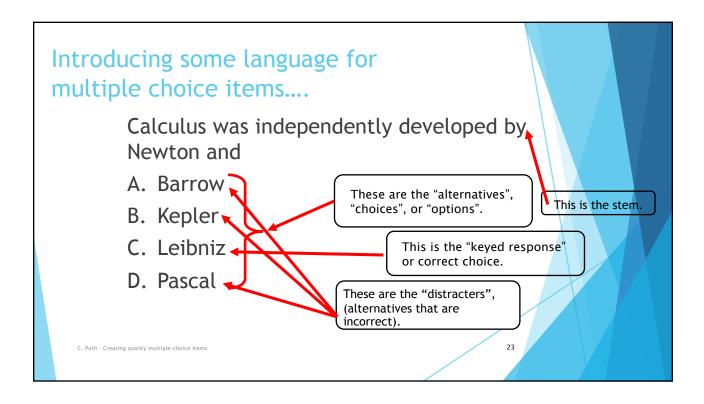


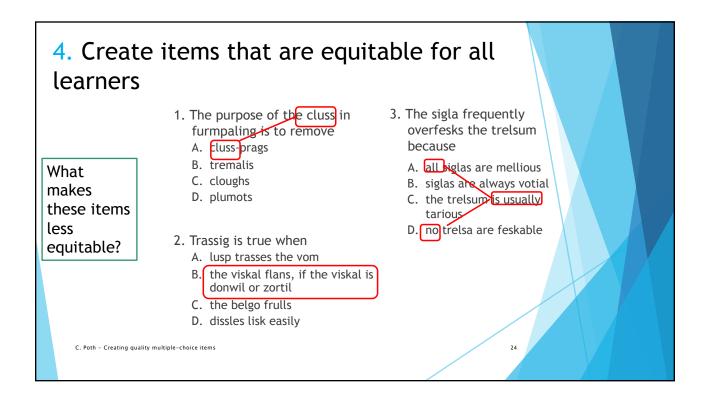
Design practices for high quality multiple choice exams

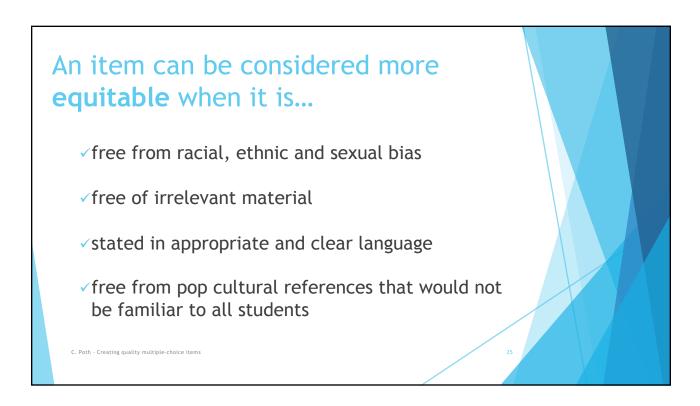
- Link the big ideas you are assessing with what and how you teach.
- Ensure what you are choosing to assess using a multiple choice exam is a good fit with the format.
- Design exams so that there is a good balance of cognitive skill levels:
 - Blooms taxonomy is helpful for thinking about what you cognitive level you want students to be able to do and know.
 - Exam blueprint/Table of test specifications is a useful tool to make explicit the emphasis of content and level of cognition.

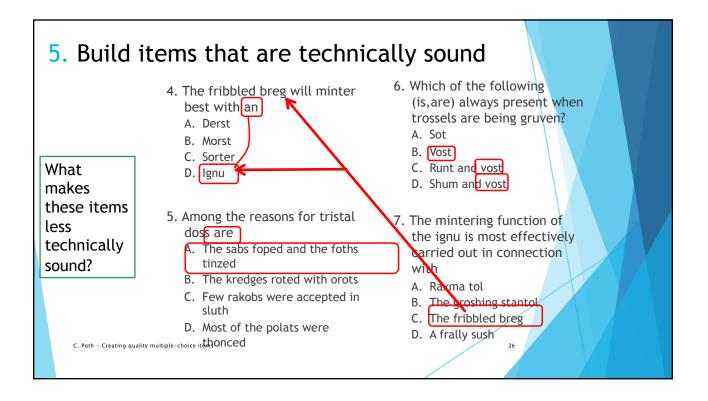
C. Poth - Creating quality multiple-choice items

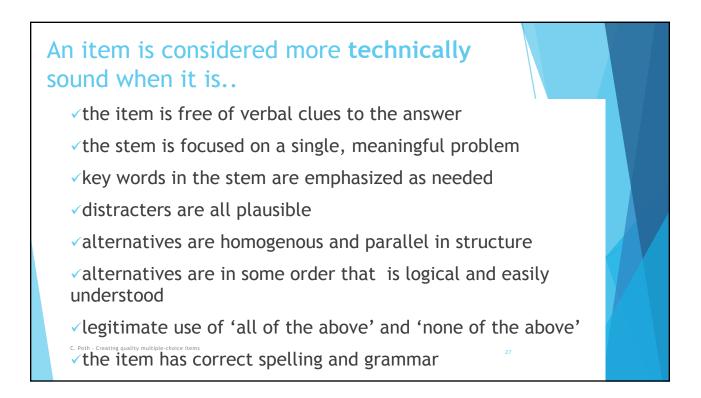








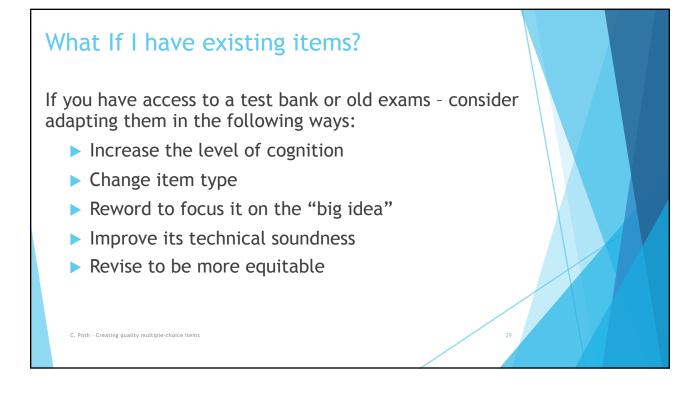




Guidelines for a High-Quality Multiple Choice **Distractors**

- Use common student errors
- Use language appropriate to the students
- Alternatives should all be homogeneous (length and complexity)
- Alternatives should be arranged in a logical order (e.g. pyramid or reverse-pyramid, alphabetical order, numerical order, etc.)
- C. Poth Creating quality multiple-choice items

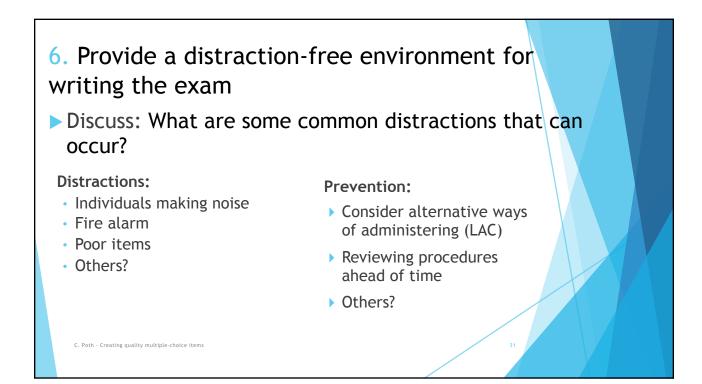
- > Try to Avoid:
 - The 3:1 Split...One of the alternatives stands out "like a sore thumb"
 - A multiple-choice item that is actually a "truefalse" item because nearly all students can eliminate two distracters
 - Unjustified use of "all/none of the above"

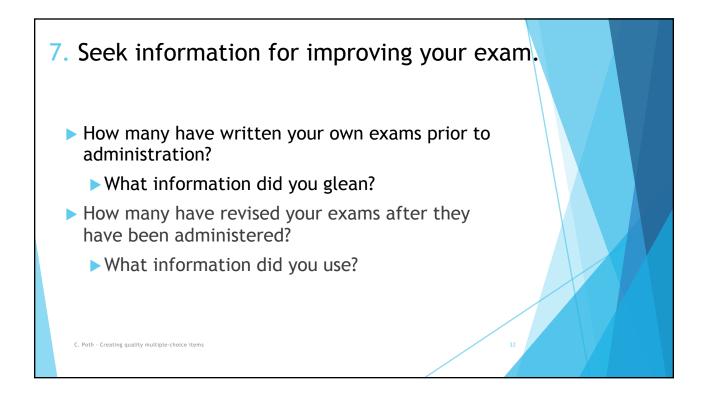


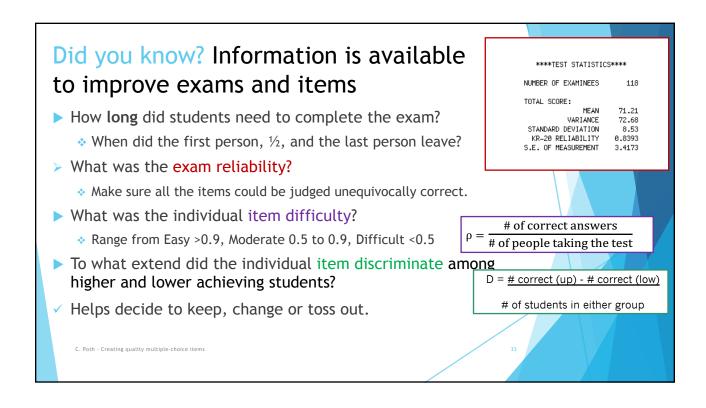
Creating practices for high quality multiple choice exams

- Design items that are equitable for all.
 - Is there anything that could 'inadvertently get in the way' of a valid correct answer.
- Ensure items are technically sound.
 - Can the distractors and stems be considered high quality?
 - ✓ Are there any apparent clues?

C. Poth - Creating quality multiple-choice items







Revising practices for high quality multiple choice exams

- Prevent as many distractions as possible.
- Seek and use information for improving your exam
 - Was enough time provided?
 - ✓ Was the exam reliable?

C. Poth - Creating quality multiple-choice item:

Can the exam results be considered valid?

