

Classroom Assessment Technique – Chapter 8:
an adaptation of CAT 34 – Interest / Knowledge / Skills Checklist

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Background, CAT Specifics, and Results

When approaching our second Classroom Assessment Techniques (CAT) real-world application assignment, I wanted to try and incorporate/highlight what my major topics/points were for the learning in hopes that repetition and the use of multiple sensory modalities could be engaged. To that end, I decided to use an adaptation of CAT 34 – “Interest / Knowledge / Skills Checklist” due to its major focus that “Teachers create checklists of topics covered in their courses and skills strengthened by or required for succeeding in those courses. Students rate their interest in the various topics, and assess their levels of skill or knowledge in those topics, by indicating the appropriate responses on the checklist.” (Angelo & Cross, 1993, p. 285). This would allow me to reiterate my major points and test/probe as to which features the learners found interesting and ‘of-value’. The materials/methodology that I chose to administer this CAT was through a follow-up email in which a Google Form link (see attachment 1 in appendix) was used to present the question and request a response (which would then be tallied onto a Google Sheets spreadsheet for analysis). While I initially had 29 total in attendance at the training – after a week timespan between the initial form being sent and time to compile/compose thoughts; only 5 people (17% of the attendees) had completed the survey (tabulated in Attachment 2 in Appendix). Therefore I don’t feel that the data is statistically significant to draw conclusions on the CAT itself (especially since of the original five; two of the respondents recorded the same answer for each question). This brings the ‘valued date’ down to only a 10% response level. One conclusion that can be drawn from the lack of response could be

T&B Hazlux LED Hazardous Lighting Questionnaire
To help improve this brief learning experience between students needs/wants and instruction

Hazardous Location Standards Info was Helpful?
We spoke about the general Class I, II, & III areas and their divisions/groups - helpful?
1 2 3 4 5
No Interest ● ● ● ● ● Lots of Interest; Want more!

I feel I have a general idea when/where to apply these (and when/where not to apply these)?
Is it ready for Grandma's house?
1 2 3 4 5
No idea - I want one for my house ● ● ● ● ● Fully understand the requirements

I think being 'retro-fittable' to older technology is a great ideal.
We discussed that the 'tophat' of the future doesn't need to be removed.
1 2 3 4 5
Nope, fully replace everything ● ● ● ● ● This will help win the job!

Externally having 'no-fins' is a great ideal!
We spoke about the 'bearded fixtures' when used in real-world applications.
1 2 3 4 5
No Interest ● ● ● ● ● This will help win the job!

Field replaceable LED modules is a great ideal!

the mindset of “Out-of-sight; out-of-mind” or maybe they felt that responding would only benefit the teacher (rather than themselves).

Critical Reflection & Continuous Improvement

While I do believe that this adaptation of CAT 34 is effective at enhancing the learning-transfer through a variety of sensory modalities; I would implement the administration of the assessment differently. These would include:

- Announcing at the beginning of the class that assessment will be following the training time and personally explain why it is important for the continued improvement of the course for their benefit and future presentations to other engineers.
- Determine a way to ‘reward’ those that complete the survey through access to some literature, their name ‘in a hat’ for a drawing of some gift card, or some other incentive to increase participation.
- Possibly ask them to fill out the form from their laptops / phones / devices right afterwards sharing the link as part of the presentation (in an attempt to be face-to-face and not be forgotten so easily).
- Discuss the possibility of sharing the results with the team and let them know what changes will occur in the presentation due to their direct feedback. Angelo and Cross mention that “Classroom Assessment Increases Cooperation and a Sense of the Classroom as a ‘Learning Community’” (pg. 373) which I believe would help the participants feel they have some ‘skin in the game’ (which is a genteelism for them feeling included and helpers in directing the teaching).

I look forward to re-attempting the use of this CAT (with the above listed changes) with future classes to better understand its effectiveness for assessing Corporate Training.

References

Angelo, T. A., & Cross, K. P. (1993). *Classroom assessment techniques* (2nd. ed.). San Francisco, CA: Jossey-Bass, Inc.

Appendix

Attachment 1: The CAT online questionnaire

T&B Hazlux LED Hazardous Lighting Questionnaire

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Hazardous Location Standards Info was Helpful?

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1 2 3 4 5

No Interest Lots of Interest; Want more!

I feel I have a general idea when/where to apply these (and when/where not to apply these)?

Is it ready for Grandma's house?

1 2 3 4 5

No Idea - I want one for my house Fully understand the requirements

I think being 'retro-fittable' to older technology is a great idea!

We discussed that the 'tophat' of the fixture doesn't need to be removed

1 2 3 4 5

Nope, fully replace everything This will help win the job!

Externally having 'no-fins' is a great idea!

We spoke about the 'bearded fixtures' when used in real-world applications

1 2 3 4 5

No Interest This will help win the job!

Field replaceable LED modules is a great idea!

I like being able to change in the field rather than throwing away the entire fixture

1 2 3 4 5

No Interest This will help win the job!

Field replaceable reflectors/lenses are a great idea!

I like being able to change in the field to customize to our specific (maybe changing) environment

1 2 3 4 5

No Interest This will help win the job!

The 'Unipak Packaging' is a great option!

this is where the factor assembles and you get one fixture = one box

1 2 3 4 5

No Interest This will help win the job!

The Quick-Pole is a great option!

(bring lights/cameras/beacons safely down to level to work on) - without ladders!

1 2 3 4 5

No Interest This will help win the job!

The Hazlux Fixture Hinge system is a great idea!

Where it doesn't take two people to install - just hook the fixture on the hinge to wire

1 2 3 4 5

No Interest This will help win the job!

The Hazcote option is great

Where we dip the fixture in a polymer for protection against corrosion

1 2 3 4 5

No Interest This will help win the job!

Teflon Coating of the Globe is useful

Creates a 'plastic bag' so no glass shards will fall if broken

1 2 3 4 5

No Interest This will help win the job!

The high 'Lumens / Watt' ratio sold me

How efficient is the fixture at producing light output - can't just talk about Watts anymore

1 2 3 4 5

No Interest This will help win the job!

Overall, the presentation was good & helpful to me

