

You can use the Assessment Editor to add Topic Outcomes in the Section Feedback & Outcomes; under the subsection Reported Topic right click on the desired topic to add a Topic Outcome.

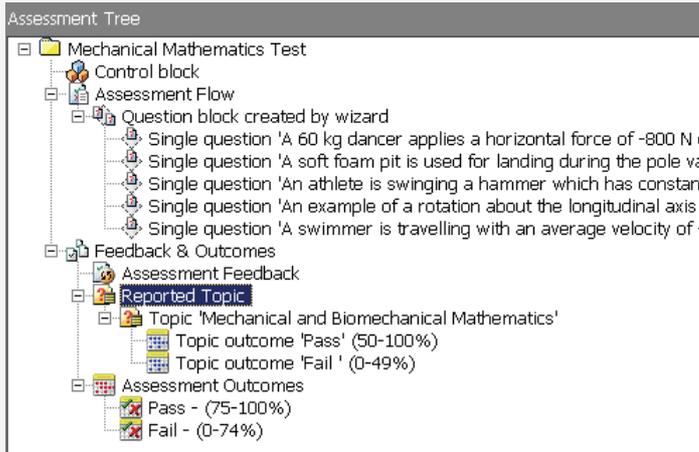


Figure 3: Assessment Tree Showing Topic Outcomes

For example you have a topic Mechanical and Biomechanical Mathematics to which you want to add two topic outcomes:

Pass - This **topic outcome** applies if participants score more than 50% on the questions they take.

Figure 4: Pass Outcome

Fail - This **topic outcome** applies if participants score 50% or less on the questions they take

Figure 5: Fail Outcome

A note on Prerequisite score for topics

It is also possible to require participants to achieve a minimum score in particular **topics** before an assessment **outcome** can be met. By using prerequisite scores for **topics** in this way, you can enforce a Pass score for specific **topics**, and define what happens when participants either achieve or fall below these scores. This allows authors to ensure that participants do well enough in certain **topics** before they pass an assessment.

Prerequisite **topic** scores are set within an assessment **outcome** block. You can add a prerequisite **topic** score to an assessment **outcome** for any, all or none of the **topics** whose questions are used in the assessment.

Calculating Overall Assessment Score

When participants have answered all the questions presented to them, their overall score for the assessment will be calculated and then used to determine how the participant's performance is evaluated. A range of overall scores is used to define one or more **assessment outcome**.

The percentage score for an assessment in Perception is worked out as follows.

Score Type	Calculated
Score for a block	Sum of scores for each question in it. Unless otherwise specified, unanswered questions score zero
Max score for a block	Sum of max possible scores for each question in it
Total score for assessment	Sum of score for each block in the assessment answered by participant
Total max score	Sum of max scores for all blocks in assessment answered by participant or skipped over when time limit reached
Percentage score	Total score for assessment / Total max score Only calculated if assessment is finished If the total max score is zero or the Total score is less than zero, the percentage is zero

Scores are held in integer numbers of points. The percentage score is rounded to the nearest integer percentage, 0.5 rounds up. So 51/200 becomes 26% (25.5% rounds up) but 7/30 becomes 23% (23.33 rounds down).

If blocks are omitted due to a jump, they do not count towards the score. If a block is repeated due to a jump backwards, each attempt of the block counts towards the score. For example if block 1 has a maximum score of 10, block 2 has a maximum score of 20 and block 3 has a maximum score of 40, then an assessment which presents block 1 and then jumps to block 3 will have a maximum score of 50 points; whereas an assessment which presents block 1, jumps backwards to present block 1 again, and then presents block 2 and block 3 will have a maximum score of 80 points.

If the time limit runs out, and the assessment is finished automatically, then the maximum score is calculated as if all remaining questions were presented and unanswered. A percentage score is only calculated when an assessment is finished. If it's left in progress, there is no percentage score and no assessment outcome.