



Meeting Details

Meeting took place in:

North

AM or PM session?

PM

Which meeting is this report for?

Science - Physics Level 4

Moderation Details for Calibration - Sample 1

Sample 1 - Please identify each criterion being moderated and IF SELECTED the elements within that criterion

Criterion 7 = Overall, Element 1, Element 2, Element 4

Sample 1 - What rating (or ratings) has the group assigned this sample?

5 B, 2 B+, 1 B-

Sample 1 - What evidence supports the rating (or ratings) the group has given?

Element 1: B+ (detailed explanations with few errors), B (some slight errors in calculations) and B- (predictions less secure in more unfamiliar situations).

Sample 1 - What evidence would you need to see in order to assign a higher rating (or ratings)?

More practice with descriptive questions.

Sample 1 - Summary of group consensus with comments to element level if applicable.

Group consensus: B

Sample 1 - What actions would you

Listing what would be required in the explanations, so that students

recommend for teachers to help the student attain a higher rating (or ratings)?

mention all the key ideas.

Moderation Details for Calibration - Sample 2

Sample 2 - Please identify each criterion being moderated and IF SELECTED the elements within that criterion

Criterion 7 = Overall, Element 1, Element 2, Element 4

Sample 2 - What rating (or ratings) has the group assigned this sample?

5 t, 1 t+, 2 C-, 2 C

Sample 2 - What evidence supports the rating (or ratings) the group has given?

Element 1: C (only can outline explanations without detail), , Element 2: C- (lack of sufficient calculations to be able to demonstrate satisfactory competency), Element 3: C (predictions only made for simple to moderately complex situations, not helped by not completing certain questions)

Sample 2 - What evidence would you need to see in order to assign a higher rating (or ratings)?

More evidence of the student's assessments for this criterion, as certain part of the test were left blank, providing no real evidence for the marker.

Sample 2 - Summary of group consensus with comments to element level if applicable.

Group consensus: C-

Sample 2 - What actions would you recommend for teachers to help the student attain a higher rating (or ratings)?

More opportunities for assessment for this criterion, so a more accurate on-balance judgement can be made.

Moderation Details for Calibration - Sample 3

Sample 3 - Please identify each criterion being moderated and IF SELECTED the elements within that criterion

Criterion 4 = Overall, Element 1, Element 2, Element 4

Sample 3 - What rating (or ratings) has the group assigned this sample?

1 t+, 2 C-, 5 C

Sample 3 - What evidence supports the rating (or ratings) the group has given?

Element 1: C (principles stated but explanations often missing relevant detail), Element 2: C- (incorrect formula substitution or other calculation errors), C+ (an attempt at providing reasoning for unfamiliar situations).

Sample 3 - What evidence would you need to see in order to assign a higher rating (or ratings)?

More use of appropriate selection and substitution of formulae.

Sample 3 - Summary of group consensus with comments to element level if applicable.

Group consensus: C

Sample 3 - What actions would you recommend for teachers to help the student attain a higher rating (or ratings)?

More practice in the appropriate application of formulae, including reading questions carefully.

Planning for March Moderation 2020 - Statewide Samples

For all courses please nominate the criteria and elements (if desired) for moderation.

Criterion 2: Elements 2, 3, 4

Sharing Resources

Please record any links to or details of resources that were shared, or describe any assessment strategies that were discussed.

We can use the new Microsoft Teams site and the Google drive to share resources.

Course Support

Please provide details of any future focus and ways forward you would like Curriculum Services to consider in relation to this course:

The Physics Information Sheet needs some changes. The formula for radius r of a charged particle moving in a uniform magnetic field needs to be corrected as it is currently incorrect. The formula should be $r = mv / (qB \sin(\theta))$. Also, for the standing wave patterns, ensure that a clear italic ' l ' is used so that it looks different from a ' l '. It would be good to add in that $1 u = 1.66 \times 10^{-27}$ kg alongside that $1 u = 931$ MeV.