



DESCRIBE, APPLY, ANALYSE AND CALCULATE SHAPE AND MOTION IN 2-AND 3-DIMENSIONAL SPACE IN DIFFERENT CONTEXTS.

OUTLINE

MODULE 1 - Measure, estimate, and calculate physical quantities in practical situations.

- ✓ Scales on the measuring instruments are read correctly.
- ✓ Quantities are estimated to a tolerance justified in the context of the need.
- ✓ The appropriate instrument is chosen to measure a particular quantity.
- ✓ Quantities are measured correctly to within the least step of the instrument.
- ✓ Calculations are carried out correctly.
- ✓ Symbols and units are used in accordance with SI conventions and as appropriate to the situation.

MODULE 2 - Explore, describe and represent, interpret and justify geometrical relationships and conjectures.

- ✓ Descriptions are based on a systematic analysis of the shapes and reflect the properties of the shapes accurately, clearly and completely.
- ✓ Descriptions include quantitative information appropriate to the situation and need.
- ✓ Conjectures as appropriate to the situation, are based on well-planned investigations of geometrical properties.
- ✓ Representations of the problems are consistent with and appropriate to the problem context. The problems are represented comprehensively and in mathematical terms.
- ✓ Results are achieved through efficient and correct analysis and manipulation of representations.
- ✓ Problem-solving methods are presented clearly, logically and in mathematical terms.
- ✓ Solutions are correct and are interpreted and validated in terms of the context of the problem.

DURATION:

Theoretical training: 2 days