

VCAL Numeracy - Foundation

Outcome 2 - Numeracy for Practical Purposes - Measuring

ATHLETICS DAY UNIT

Purpose: Students will research the dimensions; liaise with school sports coordinator and then measure and mark lines for track and field events in preparation for School Athletics Day and also when the school hosts the Little Desert Zone Athletics day.

Evidence of successful completion of outcome will be a folio of evidence containing:

- Internet research showing athletics track and field event dimensions and correct weights for throwing events, distances for jumping events etc.
- Drawings and tables showing measurement dimensions using correct measurement units and angles
- Measurements of existing facilities e.g. shot put circle/landing area and jumping pits to see if they are the correct dimensions.
- Preparation of the school playing fields for upcoming athletics days
- Photo evidence of student measuring and marking track and field event areas according to school requirements

STUDENTS MAY WORK IN PAIRS BUT MUST MAINTAIN OWN EVIDENCE

TASKS: (a sample for Shot Put is attached)

1/ Use the internet or other sources to research the area and dimensions required for each track and field event at the school sports day. You also need to find out what weight shot put/discus/javelin is required for each age group. What distance should the take-off mat be from the jumping pits for each event and each age group?

Do this by:

- Providing clear, simple diagrams showing how each athletic event is set out, and the measurements for each event. Make sure each diagram is labelled clearly and that correct units of measurement are shown. Diagrams for each event should be on separate sheets of paper and stored in your evidence folio.
- Prepare tables to show the different requirements in events for various age groups and boys/girls. For example, U/15 boys' discus may require a different weight discus to U/15 girls. Make sure that the correct units of measurement are shown.

2/ Choose the most suitable measuring instrument and measure the existing shot put, discus, long jump and triple jump facilities. Do these meet the required measurements? Write a brief report on your findings. Include specific detail.

3/ Working with the sports coordinator measure and mark out the areas for each track and field event. Make sure that these measurements are the same as those that you researched and that they are in agreement with the sports coordinator.

4/ Print out at least 2 photos of yourself actively involved in the measuring for the sports day and include them in your evidence folio.