

Physics Day Measurement Contest

The measurement contest for Physics Day at Silverwood consists of teams of up to 4 students making accurate measurements of various quantities found at Silverwood. More than one team from each school may compete.

Rules:

1. All measurements must be made by the students during the announced contest time frame.
2. Student teams must provide their own measuring devices.
3. No electronic measurement devices of any kind are allowed, with the exception of stopwatches.
4. Teams will sign in at the table in the courtyard just inside the front gate and pick up an official answer sheet.
5. All measurements must be recorded on the official answer sheet. The answer sheet must be turned in at the courtyard between 1:00 and 1:30 pm.
6. The required measurements will be listed on the answer sheet and will be drawn from the measurements needed to complete the task sheets included in the Physics Day packet. These can also be accessed on the internet at <http://daisley.net/physicsday>

Scoring:

Scores will be assigned to each team based on comparing measurements taken by each team to accepted values measured electronically or taken from specifications supplied by Silverwood.

Each required measurement will be awarded points as follows: 20 points for a measurement within 5% of the accepted value, 19 points for a measurement within 10% of the accepted value and continuing with a 1 point deduction for each 5% (or fraction thereof) deviation from the accepted value. The team with the greatest number of points will be the winner. In the event of a tie, the winning team will be the team involved in the tie with the measurement absolutely closest to the accepted value for the question identified on the answer sheet as the tie breaker.