

## Physical Science Lab B and C Science Olympiad 2010

1. This event, while named slightly differently (Physics Lab in C), is much the same for both the B and C Divisions. For both, this is an impound event.
2. Some of the differences are listed below, but read your rules carefully:
  - In the C Division, each team may bring ONE pre-constructed blade assembly attached to a standard CD and in the B Division, each team may bring TWO assemblies.
  - Modification of the CD (except for the center hole) is allowed.
  - When mounted, the blade assembly must have a maximum diameter between 25.0 and 28.0 cm for C Division and between 20.0 and 24.0 cm for B Division.
  - There will be ONE multispeed fan in the C Division to test both high and low speed and there will be TWO stations in the B Division—one for high speed and one for low speed.
  - Students in B Division may use either blade assembly in front of either fan. In both divisions, once mounted, blades may not be modified or switched **except between runs**.
  - Teams in B Division must set up and complete the blade assembly testing within a 5 minute period at each fan. C Division teams must complete set up and both high and low speed testing in 5 minutes.
  - Teams in both divisions will be given a written test on their knowledge of alternative energy.