

Dr. Hand Science Olympia

What to Expect

Total time of Event: 50 minutes

Broken into different tasks that may include:

Written Test

Hands On Task

Interpretation of Data

Observations of an established and running experiment

What Students Can Bring

Safety equipment: goggles, lab coat, apron, etc.

Writing implements

A calculator of any kind (one per teammate)

One 8.5" x 11" sheet of paper

may be in a sheet protector sealed by tape
undaminated
information on both sides in any form and from any source

Will not be provided by supervisor

What Supervisors will Provide

Any required reagents

Additional glassware

References that are needed for the tasks

- Periodic Table

- Table of standard reduction potentials

- Any constants needed

General Rules

Cell phones are prohibited

Teams are automatically disqualified if a student is caught checking/using their phone during the event

Students **CANNOT** return to the event if they leave, for any reason

Partner can remain to finish

General Safety Rules

Students must wear: goggles, lab coat/apron, etc.

Gloves are optional

Knowledge for Competition

Need to know how to interpret graphs, charts and tables

Know nomenclature, symbols, and charges of chemicals

Understand acid-base reactions, properties and uses of them, and titrations of them

Knowledge for Competition

For aqueous solutions, must know definitions, properties, terms and principles

Scoring System

High score wins

Written portion may be 20-50% of each team's score

How are points awarded?

Correct answers

Correct measurements

Correct calculations

Correct data analysis

Event supervisors will provide a standard form for competitors to show measurements/calculations