

SCIENCE OLYMPIAD 2007 EVENT LOGISTICS AND HELP

(This table is to be considered suggestive as some minimal things to keep in mind; site specific situations will need variations)

EVENT	ROOM TYPE	ESTIMATED PREP TIME, (HRS) INCLUDING QUESTION WRITING/SETUP	MINIMUM SUGGESTED SUPPLIES	ASSISTANT (min-max#, depending upon # at tournament)	COMMENTS
Booilever-C	Large room	2-4	Testing wall device; testing bucket and chain; 5 cm testing block; >30 kg sand; a variety of cups/scoops for sand loading; balances (one to read >15 kg); space for impound	2-4	Consider plastic on floor for easier cleanup; if many teams, consider having 2 or more testing setups (more sand and other supplies; buckets that microbial media come in are good for sand; good scoring rubric
Circuit Lab-C	Physics lab	10-15	Appropriate material for different kinds of circuits; sensors, rules, stopwatches	1-2	Possibly long set up and prep; some BUT NOT ALL circuits may be done virtually in a pinch; may be difficult to score, so try to schedule early
Entomology-C	Biology lab or large classroom with projection capabilities	10-15	Pictures or actual specimens; microscopes if in lab; models may be helpful; possibly rulers	1-2	Better run as stations with actual specimens; classroom will need large projection screen; when using pictures, be sure to include scale for size; be certain to include some questions on economic importance; consider some questions of the form: "Which of the following insects does not belong with the others. Why?"
Fermi Questions-C	Large classroom	6-10	Paper, pencils; topics dealing with many different large/small numbers	1-2	Run all teams at once; newspapers may provide some ideas
Five Star Science-C	Lab or room(s) with flat tables	6-10	Stopwatches, rulers balances; various items relevant to each discipline	3-5	May need one person to monitor each area; Consider 2-4 identical setups to handle many teams; MUST BE DONE IN PLACE WHERE OTHER TEAMS DO NOT HAVE CHANCE TO OBSERVE PROCESS ; processes/tests may be those that are doable in <2-3 minutes; supplies/station may need to be replenished
Forensics-C	Chem. Lab	10-15	Appropriate chem. lab supplies: thermometers, cylinders, balances, reagents, usually at each station; chromatography	2-3	Long prep; need many sets of reagents; do not expect students to do long or dangerous (eg., heating) tasks— give results instead and ask for interpretations; better done with same setup for each station and team; consider using many different pens with black ink

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			supplies, pens; shoe prints		rather than different colored pens; consider a scenario in which any or none could be the perp; same size shoe prints but worn differently creates a different scenario
Physics Lab-C	Physics lab	10-15	Appropriate lab supplies, electronic sensors	1-2	Should be run as stations, one set up per team or multiple set ups if large number of teams; ;long prep time
Rocks/ Minerals-B/C	Lab or large room with flat tables	6-10	Many different kinds of rocks, balances, rulers, microscope?	1-2	stations with actual specimens; actual specimens are better than images; local mineral society is often good source of help
Scrambler-C	Wide, flat hallway or gym	2-4	Tape to mark course; vertical structure for end, measuring tapes, stop watches; tables for impound; at least 50% more raw eggs than teams	2-4	Many paper towels to clean up broken eggs; keep spectators away; do not tell distance until all devices impounded; consider two identical courses if many teams
Storm the Castle-B	Outside or gym (better)	2-4	Tape, tape measures; boxes for targets, projectile; impound area ?	2-4	Consider for projectiles things like hacky sac so won't move after landing. If outside, sandy area works best; rubric for graphs is suggested
Write it Do it –B/C	2 adjacent large rooms with flat tables	12-20	Various identical supply bags: corks, beads, paper clips, index cards etc	2-4	Will need 1 model for every 4-5 teams. Make sure supply bags are uniform. Setting up bags and building structures requires much time; Develop good rubric for scoring. ; 25-30 pieces should usually be maximum; do not make object too complicated for completion; experiment with different structures; office and craft stores are good source of supplies