

1992 Long-Term Problems

Hybrid Relays 1991-1992

The team's problem is to design, build and run five small vehicles. Each vehicle will be powered in a different way. These are electric (batteries), mechanical energy, pneumatics (air), a power source causing vibrations, and one free choice of the team. The vehicles will be run for accuracy; however, some must overcome obstacles. Each vehicle will attempt to complete one segment of a course and try to break a balloon target. The first vehicle will carry a flag that will be transferred to the next vehicle, and so on. Time limit: 8 min. Cost limit: \$90 USD.

Delayed Reaction 1991-1992

Divisions II & III

The team's problem is to use the movement of a weight to complete specific tasks in a delayed manner. The weight must always remain in one area of the competition site while the completion of the tasks takes place in another. There are eight tasks to be completed. There must be at least 5 seconds between the completion of each task. Time limit: 9 min. Cost limit: \$75 USD.

Classics . . . Alice in OMERland 1991-1992

Divisions I, II, III & IV

The team's problem is to create and present a performance about an adventure(s) through its own OMERland. The performance must include Alice; music; poetry; something or someone that increases in size; a plant, flower or tree that comes to life; an eccentric character; a manufactured item that becomes animated; and a humorous invention. Time limit: 8 min. Cost limit: \$75 USD.

Atlas 1991-1992

Divisions I, II & III

The team's problem is to design and build a balsa wood structure to balance and support as much weight as possible. The amount of balsa wood permitted to build the structure will increase for various levels of competition. This will be 10 grams at local and regional competitions, 14 grams at state, province and country finals, and 18 grams at Odyssey of the Mind World Finals. Time limit: 8 min.

Architecture: The Omument 1991-1992

The team's problem is to create and perform a skit that includes an original monument. The monument may be dedicated to any person, place or thing the team wishes. During the performance the team must explain what the monument is and why it was developed. Time limit: 8 min. Cost limit: \$75 USD.

Scientific Clowns 1991-1992

Primary

The team's problem is to create clowns and perform a skit. In the skit the clowns will teach something about natural science (animals, plants, insects, etc.) and/or our physical world (gravity, water, heat, etc.). The clowns must present scientific facts during the performance. Time limit: 7 min. Cost limit: \$35 USD.