

The Ohio Academy of Science

Science Day Standards

Report & Display

Research Report

Each project must include a research report covering in detail all of the work, references consulted, and acknowledgment of assistance received. The experimental data, statistics, notes, and computations should be recorded in logs or record books. The report should include a description of the work, the results, and the conclusions. This report should follow an accepted form of technical reporting and be carefully checked for correct punctuation, spelling, and grammar. If possible, the report should contain illustrations in the form of photographs, sketches, graphs, or charts that contribute to the effectiveness of the material presented.

Expectations of Display: Present Results

Students are expected to present the results of research. They are not expected to perform, demonstrate or repeat an experiment for judges or visitors. Students should have already done an experiment or conducted many research trials and thus have adequate results in the form of charts, graphs, data tables, and a research notebook—all recorded with dates—which should be with the project display. Equipment used in research is not needed for a presentation and must be left in the laboratory or at home. Use photographs or drawings of equipment on the poster boards, in the technical report and in the research notebook to document and explain the equipment used. Items on the display backdrop, or poster boards, should be used as visual cues to keep the student's oral presentation to the judges on track or to refer to when responding to questions. The whole project, in simple form, should be visible on the poster boards. Abstracts, a research notebook, technical reports, and additional data should be in folders or for immediate reference.

Computer Simulations

Battery-powered computers may be used only for simulation, modeling, animation or data display integral and essential to understand, analyze or interpret the project results and not for general PowerPoint™ or other visual or sound presentations. Electricity will not be provided.

Items Allowed at Project with the Restrictions Indicated

Posters should display an abstract and data tables, diagrams, charts, photographs and graphs that summarize results. Research notebooks, research reports, research plans and documentation of research protocols are **expected** and may be in notebooks or folders on the table for use by science day officials and judges. Information such as postal, web and e-mail addresses, telephone and fax numbers is allowed only for the exhibitor. The only photographs or visual depictions of identifiable or recognizable people allowed are photographs of the exhibitor, photographs taken by the exhibitor (with permission of individuals received), or photographs for which credit is displayed (such as from magazines, newspapers, journals, etc.). Battery-powered computers may be used only for simulation, modeling, animation or data display integral and essential to the project results and not for general PowerPoint™ presentations.

Items Not Allowed at Project Display

If an item is not listed in the paragraphs above it is **not permitted** at District or State Science Days. Scientific equipment and supplies, other apparatus or research paraphernalia are not permitted at a display at District or State Science Days. [See <http://www.ohiosci.org/not.htm>]

Display Size limitations

30" deep, 36" wide, 7' high