

## Science Experiment

- A. The project base must be no larger than 3X5 feet. 7<sup>th</sup> -12<sup>th</sup> grade should be biological or physical experiment based. Projects should arrive at the host school on Thursday before the Friday competition.
- B. Schools bringing projects that require special equipment or resources (water, drain, electricity, etc.) should inform the host school of that need **before** the day of the competition.
- C. Requirements:
  - a. Scientific method: All 7<sup>th</sup>-12<sup>th</sup> grade science projects must demonstrate a scientific method and must include a logbook, showing the student's day by day findings. The projects are to present a theory, prove or disprove it through experiment, and draw a conclusion.
  - b. Format – report must be handwritten *and* typed (parents may type exactly as student has written)
  - c. Report Maximum Length – 2 pages double-spaced 12-point Times New Roman
  - d. Judges Information Sheet
  - e. Biblical Abstract or Principle – in paper or on board or both (does not have to be a Bible verse)
- D. Every project must be accompanied by a report in the student's own handwriting. This paper should then be typed, exactly as the child has written it. (Typing may be done by an adult.) For the efficiency of the judges' time, the typed copy may not exceed two double-spaced pages. Both the type written copy and the handwritten original papers will accompany the project in order for it to be judged. The paper must be the student's own words, not copied from a source. Parents may proofread but should not tell the student what to write.
- E. The project must be entirely the work of the student. Adult help may be given only in the verbal sense of giving advice or instruction. Each project must be accompanied by the Judge's Information Sheet with a detailed description of any help that the student received from parents or teachers. It is understood that younger students may need some help with power tools, etc., but even that help must be reported on the Judge's Information Sheet. Individual schools will validate the Judge's Information Sheet before copying it on the back of the judging sheet.
- F. Projects should include a Biblical abstract or principle that is related to this area of scientific study or to an aspect of the project. This principle should either be included in the display or the paper or both. A Bible verse, on the board or in the paper, is not required.
- G. Two students, competing in the same grade division, may work together on the Science Project.

## JUDGING FORM - SCIENCE EXPERIMENT PROJECT (7-12th Grade)

Name:	Grade:
Please check one: <input type="checkbox"/> Biological Science <input type="checkbox"/> Physical Science (Please make host school aware of any special needs: water, electricity)	
School:	
Title:	

JUDGING CRITERIA	Comments	Points
<b>Research &amp; Development: Including research paper, and other areas of speech.</b> <b>Excellent:</b> Thorough research, irrefutable references, knowledgeable & logical presentation paper in good form (26-30 Pts.) <b>Very Good:</b> lacking slightly in certain areas (21-25 Pts.) <b>Good:</b> Some inaccuracies and /or faulty reasoning (10-20 Pts.)		(30 Points Possible)
<b>The Experiment:</b> <b>Excellent:</b> Thorough research, irrefutable references, knowledgeable & logical presentation paper (26-30 Pts.) <b>Very Good:</b> Same as above but lacking slightly in certain areas. (21-25 Pts.) <b>Good:</b> Definite inadequacy in above areas (10-20 Pts.)		(30 Points Possible)
<b>The Log Book</b>		(10 Points Possible)
<b>Biblical Abstract:</b> Board and/or paper does not need to have a Bible verse, but it does need to support a biblical principle.		(10 Points Possible)
<b>Conclusions &amp; Findings:</b> <b>Excellent:</b> Substantial, reliable & beneficial findings (10 Pts) <b>Good:</b> Satisfactory work with a few flaws (6-9 Pts.) <b>Poor:</b> Results inconsistent with data ( 0-5 Pts.)		(10 Points Possible)
<b>Technical Skill &amp; Display:</b> <b>Excellent:</b> Craftsmanship & Visual media are excellent (10 Pts) <b>Good:</b> Craftsmanship & visual media are acceptable(6-9 Pts) <b>Poor:</b> Exhibit shows lack of craftsmanship and poor presentation of visual media (0-5 Pts)		(10 Points Possible)
	<b>Total</b>	

(Judge's Signature) \_\_\_\_\_