

PURDUE
UNIVERSITY



Coaches Handbook
2012

Elementary Science Bowl 2011-2012 RULES

1 Content:

- a) The elementary competition will be made up of three rounds. The Experiment Round and the Team Round will not have a limit of eligible students. The Individual Round will include four students. All questions will be administered through an online test.
- b) The IASP Board of Directors believe that academic competition is an extra-curricular activity. Therefore, organized team practices for academic competitions shall not take place during any instructional part of the school day. In addition, special courses should not be designed or implemented for the primary purpose of preparing teams for academic competition.

All building principals are encouraged to review this position statement with academic coordinators and coaches to clarify that all organized team practices occur as an extra-curricular activity. However, non-instructional time, such as lunch and recess, could be used for organized team practices. It is permissible for students to read and do online research during the school day, as long as there is not any organized practice, and research does not occur during school instructional time.

Competition Tests may be taken at any time during the testing window, including instructional time, if determined appropriate by the school principal and team coach.

2 Study Guidelines:

- a) The competition will be based on the Indiana Department of Education Standards for Science, grades 5, 6, and 7. For additional information about the Indiana Standards see www.doe.state.in.us.

Six curriculum standards will be used on an annually rotating basis:

1. The Nature of Science and Technology
2. Scientific Thinking
3. The Physical Setting
4. The Living Environment
5. The Mathematical World
6. Common Themes

THE FOUR TO BE UTILIZED IN 2011-2012 WILL BE NUMBERS 1, 2, 4, and 6

In 2012-2013 the standards will be numbers 1, 2, 3 and 6

In 2013-2014 the standards will be numbers 1, 2, 5 and 6

- b) An academic coaches conference will be held in the fall of each year and will have sessions to explain the various forms, rules/regulations, Indiana Standards, and addenda.

3 Expenses:

- a) An entry fee will be charged to participate in the Science Bowl. The entry fee must be received by *June 1, 2012*. This fee will help to defray the costs of writing the questions, purchasing awards, and other expenses associated with the competition. Each school will be responsible for its own expenses.
- b) All schools choosing to participate in the Science Bowl competition must be Department of Student Programs member schools. Please check with your administrator to ensure your school's membership is current.

4 Enrollment Classifications:

- a) For each Division, a classification of schools by enrollment size will be utilized – four classifications with approximately 25% of the schools in each class. Schools may elect to compete up in enrollment classification if they so desire.

The size classifications are based on the pool of total available students per grade in grade 4, grades 4 and 5, grades 5 and 6, and grades 4, 5, and 6.

Schools with 6th grade

Class 1 - 187 and up

Class 2- up to 186

Schools without 6th grade

Class 3 - 163 and up

Class 4 - up to 162

- SAMPLE:
1. A school with Grade 4 only, with an enrollment of 162 in Grade 4, will be in Class 4.
 2. A school with Grades 4 and 5, with a total enrollment in both grades of 178, will be in Class 3.
 3. A school with Grades 5 and 6, with a total enrollment in both grades of 109, will be in Class 2.
 4. A school with Grades 4, 5, and 6, with a total enrollment in all 3 grades of 253, will be in Class 1.

- b) This enrollment number will be determined by the official school enrollment as recorded to the Department of Education on Form #30A from the previous year.

5 Honor Code:

- a) Adhering to an Honor Code will be required of all participating teams. Each team's head coach and principal will be required to have a signed copy of the Honor Code on file with the Department of Student Programs office prior to competing.

6 Eligibility:

- a) Any student enrolled full-time in grades 4, 5 and 6 is eligible to compete on that school's elementary team. Schools may select their teams in any manner, and with any additional criteria, they choose.

7 Supervision:

- a) Each team is to be supervised by a coach designated by the school principal. This coach will be responsible for seeing that all team members follow all rules and behave in an appropriate manner.

8 Format:

- a) The competition will consist of three rounds.
- b) Online tests for each round may be completed in any order. Each round will have a 30 minute time limit. Questions for each round shall consist of multiple-choice or true/false questions.
- c) Team Rounds will consist of 10 questions, completed cooperatively by an unlimited group of students. Experiment Rounds will consist of 5 questions, completed cooperatively by an unlimited group of students. Individual Rounds will consist of 15 questions, answered individually by 4 students.

9 Time Limits:

- a) Each of the three rounds will be allotted 30 minutes for completion.
- b) Breaks may be taken between rounds, at the discretion of the coach.

10 Consultation:

- a) Consultation between team members is encouraged during the Team and Experiment Rounds.
- b) No consultation of any sort is permitted during the Individual Round.

11 Calculators:

- a) Calculators are permitted during the competition. Question writers will indicate prior to the competition if calculators may be useful.

12 Challenges:

- a) All questions and answers are considered to be official as presented and will stand. A written challenge to questions or answers should be sent to the IASP office for an investigation and a response at a later date. This written challenge should contain documentation stating why the answer or question may be incorrect. No adjustment in scores will be made, but the question writers and proof readers will be notified of the problem.

13 Scoring:

- a) Team Round Questions will each be worth 4 points (10 questions for a maximum total of 40 points). Experiment Round questions will each be worth 6 points (5 questions for a maximum of 30 points). Individual Round scores of all 4 students will be averaged. The average number of Individual Round questions will then be worth 2 points each (15 questions, for a maximum of 30 points).
- b) The Final Score will be a sum of the three round scores.

14 Breaking Ties:

- a) In the event there is a tie score at the end of the competition, the first tie-breaker (TB-1) will be the correct number of tie breaker questions in the Team Round (Maximum score will be 2).
- b) If a tie remains after utilizing the first tie-breaker method, the second tie-breaking procedure (TB-2) will be the number of correct questions in the Experiment Round. (Maximum score will be 1).
- c) If a tie still exists after using the first two tie-breaker methods, the third tie-breaker (TB-3) will be the number of correct tie breaker questions in the Individual Round. (Maximum score will be 8).
- d) If the tie for all rounds is not broken after using the three tie-breaker methods, the score will stand.
- f) Because of the importance of the last questions of each round in the tie-breaker process, every effort will be made to ensure these are the most challenging. A perfect score would be 100-2-1-8.
- g) All scores will be calculated by the IASP Staff.

15 Technical Requirements:

1. Four Log in names and passwords will be assigned to each competing team. Log In #1 will be used for all 3 rounds. Log In numbers 2, 3, and 4 will only be used during the Individual Round.
2. Cooperation is encouraged with a Computer technician to make sure all technical requirements are in place prior to the beginning of the competition. Suggestions include:
 - Supported Browsers: Internet Explorer, Firefox, Netscape, and Safari.
 - AOL Browser is not recommended. Opera browser will not work.
 - Searchbars that operate within your browser should be turned off.
 - Cookies must be enabled from the Vista Server
 - Must be set up to use Java Script
 - Pop up Blocker must be turned off, or add Vista site as a "trusted site" to accept Pop-Ups
 - Java Runtime must be installed (free download at www.java.com)
 - Dial Up connections can be used, but because of its slow speed, are NOT recommended. Cable, DSL, T1 or higher connection should be used.
3. Participants are encouraged to go to <http://webct.com/tuneup> to test each computer that will be used for the competition.

15 Awards:

1. Certificates will be mailed to coaches to distribute to all participants following the competition.
2. First, Second and Third Place Ribbons will be awarded to teams placing in the top 3 in their enrollment class; Participant ribbons are available to all other participating teams.
3. Team plaques will be awarded to those placing in the top 3 in their enrollment class.

Honor Code

The Indiana Association of School Principals (IASP) sponsors various programs that benefit all students in Indiana. The IASP Department of Student Programs organizes academic competitions for elementary, junior high/middle, and high school students. By the nature of academic competitions, the atmosphere at each competition should be challenging and intense, but sportsmanship, common sense, decency, fairness, and respect should prevail at all times. These virtues should be taught to students by adults, then adhered to by students and coaches at all competition sites.

The majority of coaches and students conduct themselves in an exemplary manner and are commended for displaying positive attitudes and behavior.

The IASP Board of Directors reminds principals of their responsibility to make certain that all personnel and students conduct themselves in the proper manner at all school functions. Therefore, the board expects that all principals require coaches and students to display appropriate behavior and sportsmanship at all academic competitions.

Notes, study aids, books and other materials are not permitted in the competition room.

Using the computer to look up answers is not permitted during the competition.

Consultation between students is not permitted during the Individual Round.

Coaches are not permitted to discuss the content of the competition, but may assist with technical issues involving using the testing site. Coaches may follow procedures similar to ISTEP testing rules when helping administer competition tests.

It IS acceptable to have a technology expert in the testing room. Any other observers may be allowed at the discretion of each coach, but must follow the same honor code procedures as students and coaches.

The content of the competition questions should not be discussed with anyone outside your own team until after the competition testing window had ended.

Printing, saving, or taking notes on the content of the competition questions is not permitted during the contest.

Calculator memories should be cleared prior to the beginning of the competition.

A copy of this page must be signed by each team's head coach and principal, and on file in the Indiana Association of School Principals office prior to the competition. Signing below indicates you have read this Honor Code, and agree to share it with all participating students.

_____ School Name

_____ Coach _____ Date

_____ Principal _____ Date

Forms may be faxed to 317-894-9807, or mailed to IASP, 11025 East 25th Street, Indianapolis, IN 46229