



1st CHM-MA-PHY Junior Triwizard Tournament

Mechanics of the Contest

- I. Team Composition and Eligibility
 - a. Any currently enrolled Grade 9 or 10 student from a given institution may join the contest.
 - b. A maximum of two (2) teams composed of three (3) members per team, along with two (2) coaches at most may be registered for every institution.
 - c. A team will be composed of one wizard each for Chemistry, Math, and Physics.

- II. Coverage
 - a. Chemistry
 - i. Atomic Structure
 - ii. Stoichiometry
 - iii. Gases
 - iv. Chemical Bonding
 - v. Basic Organic Chemistry
 - b. Mathematics
 - i. Algebra
 - Polynomial functions, inequalities, rational functions, systems of equations, roots of polynomials, sequences, series
 - ii. Geometry
 - Triangles, parallel and perpendicular lines, parallelograms, plane trigonometry, circles, coordinate geometry
 - iii. Statistics and Probability
 - Measures of central tendency, variability, probability, combinatorics, measures of position
 - c. Physics
 - i. Laws of Motion
 - ii. Conservation of Energy
 - iii. Heat and Work
 - iv. Electricity and Magnetism
 - v. Optics
 - vi. Statics and Dynamics of Rigid and Deformable Bodies

- III. Contest Proper
 - a. Elimination Round
 - i. In this round, wizards will be separated and will be individually answering questions based on their field – Chemistry, Physics, or Math.
 - ii. The elimination exam will all be multiple-choice questions, 25 items per field, with the answers being submitted by the wizards via Clicker.
 - iii. The wizards will be given 2 hours to answer the exam.
 - iv. Each correct answer will merit one (1) point.
 - v. At the end of this round, the score of the groups will be determined by getting the sum of the scores of the wizards in the group.
 - vi. The top ten (10) highest scoring groups will advance to the Final Round.
 - vii. In the event that two (2) groups will tie for the tenth spot, both groups shall qualify.
 - viii. In the event that more than eleven teams (11) will qualify due to ties, all teams vying for the last spot will have a sudden death elimination contest that will be administered by the judges, in the presence of their respective coaches.



b. Final Round

- i. Qualifying teams will undergo a quiz bee-style Final Round to determine the 1st CHM-MA-PHY Junior Triwizard Champions.
- ii. In this round, booklets containing the questions which will also serve as their answer sheets will be provided to the groups.
- iii. Premature opening and/or turning of pages in the booklet will result to the disqualification of the team. The booklets can only be turned upon the instruction of the quiz masters.
- iv. In the event of a disqualification, the group that landed on the 11th place of the elimination round shall replace the disqualified group. If the group on the 11th place is already on the final round, then the group on the 12th place will join the Final Round.
- v. The scores obtained by the wizards from the Elimination Round will not have an effect on the scores in the Final Round.
- vi. This round will be divided into three (3) parts: Basic, Intermediate, and Advanced.
- vii. Each part of the round will contain ten (10) questions. Questions may be of multiple-choice or free-response types.
- viii. Every correct answer in the Basic, Intermediate, and Advanced rounds will merit 10, 15, and 20 points, respectively.
- ix. The scores of the teams will be tallied at the end of the Advanced round and awards will be given to the groups garnering the top three (3) highest cumulative scores.

IV. Prizes

a. Prizes

- i. Champion – trophy, medals, and cash (PhP 12,000.00)
- ii. 1st Runner-up – trophy, medals, and cash (PhP 9,000.00)
- iii. 2nd Runner-up – trophy, medals, and cash (PhP 6,000.00)

V. Technicalities

- a. Protests from the students or coaches may be raised to the committee of judges before the next question is read. Protests will no longer be entertained by the start of the next question.
- b. For objective free-response type questions, incorrectly spelled and/or incomplete answers shall not merit points.
- c. For calculated free-response type questions, answers expressed with the incorrect number of significant figures shall not merit points.
- d. All final answers shall be enclosed in a box. Final answers without boxes, with vague erasures, and with unreadable answers as deemed by the judges will not merit points.
- e. The collective decision by the judges is final and irrevocable.