

## **Directions for Calculating Scores for Georgia Academic Decathlon Wild Card Invitational**

**Overview:** For each high school, Academic Decathlon involves a team of not less than 6 students: 2 Honor (A), 2 Scholastic (B), and 2 Varsity (C) and no more than 9 students – 3 Honor (A), 3 Scholastic (B), and 3 Varsity (C). All students participate in all events.

A **student's total score** is the sum of the **test scores**. Each **test score** is out of a possible 1000 points. Since many Georgia schools do not hold the subjective (communications) portion of the competition (speech, interview, and essay) at the district-level competition (January), a **student's total score** will be limited to the sum of the scores on the written tests (for purposes of determining state competition Wild-Card invitations).

The **team score** is the sum of the two highest **student total scores** in each division (A, B, & C). Therefore, it is possible to compete and win with only 6 students on the team (2 A's, 2 B's, and 2 C's).

The **average test score** for the team will be the **team score** divided by 6 (for the number of students), and again divided by 7 (for the number of written test areas). Since each test score is out of a possible 1000, the maximum student score is 7000, and the maximum team score is 42,000.

All scores are rounded to the nearest whole number, except for the **average test score**, which is to be carried out to one decimal place.

The top four **non-winning teams** in the state (at their respective local competitions) will be offered an invitation to the four Wild Card slots at the state competition.

### **How to calculate the test scores:**

1. **Record the number of correct questions** for a given test in the appropriate space on the score sheet. (Bottom half of the sheet)
2. **Calculate the test scores.** Divide the number of correct questions by the total number of questions for that test, and then multiply by 1000. For all tests except Super Quiz and Math, the total number of questions is 50. The math test has 35 questions, and the Written Super Quiz has 40 questions (check with your testing proctor or the answer sheet to confirm). If you choose to take the Super Quiz Relay as a written test, check the answer sheet for the number of questions. The principle is the same though: divide the number of correctly answered questions by the total number on the test, and then multiply by 1000. This will return a number equal to or less than 1000 and equal to or greater than 1. Record each test score in the appropriate space on the score sheet (top half of the sheet). Round to the nearest whole number, if necessary.
3. **Calculate the total Super Quiz score.** If only the Written test is taken, this is the total Super quiz score. If both the Written and Relay tests are taken, take 60% of the Written test and 40% of the Relay test and add them together. For example: a 700 on the Written test and a 600 on the Relay test returns a total Super Quiz score of  $700(0.6) + 600(0.4) = 660$ . (Do NOT add the two scores and divide by two.) Record

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each total Super Quiz score in the appropriate space (top half). Round to the nearest whole number, if necessary.

4. **Calculate the student total score.** Add the total Super Quiz score to the other 6 test scores. The scores to be added are indicated by an asterisk (\*) above the column. Record the student total score in the appropriate space (top half).
5. **Calculate the team score.** Add the top two student total scores in each of the A, B, & C categories. Record this number in the appropriate space.
6. **Calculate the average test score.** Take the team score and divide it by 6, then divide again by 7 (or you can just divide by 42 – same thing). Carry this calculation out to one decimal place, and record in the space provided at the bottom of the sheet. This is the number that will be used for comparison with other teams to determine invitations to state competition.

**Example:** John gets 41 right on the Social Science test, 25 correct on the Math test, 42 right on the Economics test, 44 correct in Music, 40 right on the Language and Literature test, 37 correct on the Art test, 35 right on the Written Super Quiz and 38 out of 45 right on the Super Quiz relay. His scores for each of the above areas are as follows:

Social Science:  $\frac{41}{50} \times 1000 = 820$

Math:  $(25/35) \times 1000 = 714$

Economics:  $\frac{42}{50} \times 1000 = 840$

Music:  $\frac{44}{50} \times 1000 = 880$

L & L:  $\frac{40}{50} \times 1000 = 800$

Art:  $\frac{37}{50} \times 1000 = 740$

Written Super Quiz:  $\frac{35}{40} \times 1000 = 875$

Super Quiz Relay:  $\frac{38}{45} \times 1000 = 844$

John's **total Super Quiz score** is  $875(0.6) + 844(0.4) = 862.6 \approx 863$

John's **total student score** is  $863 + 820 + 840 + 800 + 714 + 880 + 740 = 5657$ .

All of these calculations may be done manually or by using a spreadsheet such as MS Excel. A blank score sheet is included in the Georgia Academic Decathlon Coaches' Manual behind the "Scoring" tab. A sample score sheet has been completed as an illustration.

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On the following pages are copies of a blank score sheet and a sample score sheet. Please complete a score sheet for each team competing in your local competition and have each one signed by the appropriate officials. Mail or e-mail these sheets to Cary Sell, State Director by the deadline. (Electronic score sheets may be sent as email attachments to [cwsell@comcast.net](mailto:cwsell@comcast.net).)

Local winners are automatically invited to the state competition. At-large invitations will be sent to the top four non-winning schools across the state. These score sheets will be used to determine the top four non-winning schools. Score sheets **must** be received by the deadline date. Team score sheets not received by the deadline will not be considered for at-large invitations.

If you have questions, please contact Cary Sell, State Director, Georgia Academic Decathlon.

**SUBMIT WILD CARD SCORE SHEETS by: January 18, 2007**  
to

Cary W. Sell, State Director  
PAGE Georgia Academic Decathlon

1896 Norcross Chase Circle  
Lawrenceville, Georgia 30044  
[cwsell@comcast.net](mailto:cwsell@comcast.net)  
404.274.6381