"TESTING, TESTING,...1, 2, 3"

THE CARVER EARLY COLLEGE PARENT GUIDE TO ASSESSMENTS, STATE ACADEMIC, AND STANDARDIZED TESTS

BY

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EARLY COLLEGE PARENT LIAISON

GOALS

- Review important information regarding student testing

- Understand the purposes of assessment and evaluation, and how they work to assist in promoting student achievement

- <u>The ultimate goal:</u>

  - To provide parents with key information and resources to encourage effective support for their student's academic achievement

•IMPORTANT RESOURCES AND REFERENCES

- Top 3 web resources for parents
  - The Georgia Department of Education
    - www.gadoe.org
  - Atlanta Public Schools
    - www.atlanta.k12.ga.us
  - Carver Early College
    - http://www.atlanta.k12.ga.us/Domain/2879
- Other important web resources
  - The College Board
    - www.collegeboard.org
  - The Princeton Review
    - www.princetonreview.org
- Parent Resource Center

•TESTS, TESTS, TESTS

- What tests will your Early College student take?
  - EOCT, GHSWT
- What tests will your Early College student be expected to take
  - PSAT, SAT, ACT

•WHAT IS THE EOCT?

- An assessment for core courses

- A student's final exam in a specified courses

- Subjects include:
  - Math
  - Social Studies
  - Science
  - ELA

- The EOCT is both a student assessment and an instruction assessment
  - Georgia's high school

accountability assessment as part of the CCRPI

- EOCT is a final exam so it counts for 20% of the students grade

- EOCT does not determine graduation eligibility, but passing the test is related to passing the class, which is does determine graduation eligibility

•SUBJECT AND CONTENT

- Mathematics
  - Coordinate Algebra
  - Analytic Geometry
  - Mathematics II: Geometry/ Algebra II/Statistics
  - GPS Geometry
- Social Studies
  - US History
  - Economics/ Business/ Free Enterprise
- Science
  - Biology
  - Physical Science
- English Language Arts
  - Ninth Grade Literature and Composition
  - American Literature and Composition

•TEST TIME

- EOCTs are administered at the close of each Fall, Spring, and Summer Semester

• STUDENT AIDS FOR EOCT

- For information about End of Course Tests and study aids, visit the Georgia Department of Education website
  - Go to "search" located in upper right hand corner and type "EOCT resources"
  - Find other formula sheets <u>and</u> released test booklets and commentary (Math and Science)
  - Performance descriptions for all subjects

CCGPS Coordinate Algebra Formula Sheet

Below are the formulas you may find useful as you work the problems. However, some of the formulas may not be used. You may refer to this page as you take the test.

Area

Rectangle and Parallelogram $A = bh$

Triangle $A = \dfrac{1}{2}bh$

Circle $A = \pi r^2$

Trapezoid $A = \dfrac{1}{2}(h)(b_1 + b_2)$

Circumference

$C = \pi d$ $\pi \approx 3.14$

Volume

Rectangular Prism/Cylinder $V = Bh$

Pyramid/Cone $V = \dfrac{1}{3}Bh$

Sphere $V = \dfrac{4}{3}\pi r^3$

Surface Area

Rectangular Prism $SA = 2lw + 2wh + 2lh$

Cylinder $SA = 2\pi r^2 + 2\pi rh$

Pythagorean Theorem

$a^2 + b^2 = c^2$

Mean Absolute Deviation

$$\dfrac{\sum_{i=1}^{n} |x_i - \bar{x}|}{n}$$

the average of the absolute deviations from the mean for a set of data

Distance Formula

$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Slope Formula

$m = \dfrac{y_2 - y_1}{x_2 - x_1}$

Midpoint Formula

$M = \left(\dfrac{x_1 + x_2}{2}, \dfrac{y_1 + y_2}{2} \right)$

Interquartile Range

the difference between the first quartile and third quartile of a set of data

•STUDENT AIDS FOR EOCT—ANALYTIC GEOMETRY

Analytic Geometry Formula Sheet

Below are the formulas you may find useful as you work the problems. However, some of the formulas may not be used. You may refer to this page as you take the test.

Area

Rectangle/Parallelogram $A = bh$

Triangle $A = \frac{1}{2}bh$

Circle $A = \pi r^2$

Circumference

$C = \pi d \quad \pi \approx 3.14$

$C = 2\pi r$

Volume

Rectangular Prism/Cylinder $V = Bh$

Pyramid/Cone $V = \frac{1}{3}Bh$

Sphere $V = \frac{4}{3}\pi r^3$

Surface Area

Rectangular Prism $SA = 2lw + 2wh + 2lh$

Cylinder $SA = 2\pi r^2 + 2\pi rh$

Sphere $SA = 4\pi r^2$

Trigonometric Relationships

$\sin(\theta) = \dfrac{\text{opp}}{\text{hyp}}; \quad \cos(\theta) = \dfrac{\text{adj}}{\text{hyp}}; \quad \tan(\theta) = \dfrac{\text{opp}}{\text{adj}}$

Quadratic Equations

Standard Form: $y = ax^2 + bx + c$

Vertex Form: $y = a(x - h)^2 + k$

Quadratic Formula

$x = \dfrac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Conic Sections

Parabola: $y - k = \dfrac{1}{4p}(x - h)^2$

$x - h = \dfrac{1}{4p}(y - k)^2$

Circle: $(x - h)^2 + (y - k)^2 = r^2$

Distance Formula

$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Conditional Probability

$P(A \mid B) = \dfrac{P(A \text{ and } B)}{P(B)}$

•GEORGIA HIGH SCHOOL WRITING TEST

- All eleventh (11th) grade students are required to take the writing test, and pass to earn an education diploma
- The test has (and will be) administered on the following dates: Sept. 25, Feb. 26, July 16
- Students are given two hours (with 100 minutes of writing time) to complete a persuasive composition no longer than two (2) pages
- The scoring system is analytic and holistic→ four (4) components and general impression:
  - Ideas, organization, style, and conventions
  - Ideas/ content weighs most
- Given at the beginning of the year as an assessment to identify students who may need additional instruction in academic content and skills considered essential for a high school diploma

•PSAT/NSMQT

- The Preliminary SAT/ National Merit Scholarship Qualifying Test
  - The step before SAT
    - Gives the students an idea of what college admissions tests look like
    - Provides feedback on strength and weaknesses in math problem-solving, critical reading, and writing skills
    - It is also an opportunity for students to
- This test is available for 9th, 10th, and 11th grade students
  - 11th graders taking test will be able to compete for scholarships from the National Merit Scholarship Corporation
  - Students took the test yesterday, Oct. 16th

- This is a student's opportunity to get a feel for college admission tests like the SAT

•PSAT/NMSQT (CONT'D)

- Scoring
    - Each section (math, reading, and writing) is worth 20-80 points each
    - In 2012, the national average score for eleventh graders was about 48 in Critical Reading, 49 in Mathematics, and 47 in Writing Skills. The average score for tenth graders was about 43 in Critical Reading, 44 in Mathematics, and 42 in Writing Skills
    - Also listed on your score report is the **Selection Index**, which is used to determine eligibility in National Merit Scholarship Corporation programs (NMSC).
    - It is the sum of the three scores in each test section (CR + M + W). The Selection Index ranges from 60 to 240.
    - Finally, score reports include national percentiles, which allow you to compare your scores with other students in your grade level who have taken the PSAT/NMSQT.

•THE SAT

- The Scholastic Aptitude Test (SAT) is a globally recognized college admission test

- Assesses knowledge in critical reading, writing, and math
  - Writing section includes both an essay and multiple choice questions regarding grammar
  - The mathematics section includes questions on arithmetic operations, algebra, geometry, statistics and probability.

- It is recommended that students plan to take the test in the Spring semester of their 11th grade year, and then again in the Fall of their 12th grade year

- Testing occurs throughout the year
  - Next dates: 11/2 and 12/7

- The cost of test is $51 (additional fees include: requesting additional score reports); fee waivers are available

•THE SAT (CONT'D)

- SAT Scoring
  - Raw score:
    - +1 point for questions you get correct
    - -1/4 point subtracted for incorrect multiple-choice
    - 0 points subtracted for incorrect student-produced response (math section)
    - 0 points subtracted for questions you don't answer
    - There is a penalty for guessing
  - Your raw score is then converted to a scaled score (reported on a 200-800 scale) by a statistical process called equating. Equating ensures that the different forms of the test or the level of ability of the students with whom you are tested do not affect your score.
- The SAT standard factor for college admissions; although it is not the sole factor for determining college admission, it has some weight

•SAT PREPARATION

- It is recommended that preparation begins at least six months before the anticipated test date

- Resources at the school
  - The media center host SAT prep
  - Faculty and staff know of various resources

- Resources online
  - www.Collegeboard.com
  - www.dictionary.com

THE ACT

- The ACT college readiness assessment is a curriculum- and standards-based educational and career planning tool that assesses students' academic readiness for college.
- Students are tested on Reading, English, Math, and Science
- ACT should be taken
- Next test dates: 10/26, 12/14

SCORING

✖ First we count the number of questions on each test that you answered correctly. We do not deduct any points for incorrect answers. (There is no penalty for guessing.)

✖ Then raw scores are converted (number of correct answers on each test) to "scale scores."

✖ Your **Composite score** and each **test score** (English, Mathematics, Reading, Science) range from 1 (low) to 36 (high). The Composite Score is the average of your four test scores, rounded to the nearest whole number. Fractions less than one-half are rounded down; fractions one-half or more are rounded up.

ACT RESOURCES

✖ Web resources:

╋ www.act.org

✖ School resources