

GED Science – Probability & Scientific Notation

Skill: Using Mathematics in Science

Lesson Summary: Students who you feel are ready to test in the GED Science module should have an understanding of probability and scientific notation. Since these are math concepts, it is best to have students use and/or review the GED Math lessons in these areas prior to testing.

Materials Needed:

- GED Math Lessons 14, 15, and 21.

Objectives: Students will be able to...

- Use probability concepts
- Use scientific notation

College and Career Readiness Standards: RI, RST, M

ACES Skills Addressed: EC, LS, ALS, CT, N

GED 2014 Science Test Overview – For Teachers and Students

The GED Science Test will be 90 minutes long and include approximately 34 questions with a total score value of 40. The questions will have focus on three content areas: life science (~40%), physical science (~40%), and Earth and space science (~20%). Students may be asked to read, analyze, understand, and extract information from a scientific reading, a news brief, a diagram, graph, table, or other material with scientific data and concepts or ideas.

The online test may consist of multiple choice, drop down menu, and fill-in-the-blank questions. There will also be two short answer questions (suggested 10 minutes each) where students may have to design an experiment or identify errors in a conducted experiment, summarize, find evidence (supporting details), and reason or make a conclusion from the information (data) presented.

The work students are doing in class will help them with the GED Science Test. They are also learning skills that will help in many other areas of their lives.

Online Resources:

If students have Internet connection, they should practice the skills needed in scientific notation and probability. Here are a few good websites for practice.

Scientific Notation:

<http://www.regentsprep.org/regents/math/algebra/ao2/page5a.htm>

<http://www.ixl.com/math/grade-7/scientific-notation>

<https://janus.astro.umd.edu/astro/scinote/>

GED Science – Probability & Scientific Notation

Probability:

<http://www.regentsprep.org/regents/math/algebra/multiplechoicereview/probability.htm>

<http://www.newbedford.k12.ma.us/elementary/gomes/stjohn/Subjects/Math/Probability/Probability1.html>

Suggested Teacher Readings:

- **GED Testing Service** – online free Science practice test (to get an idea of test questions – there is no grading on this practice test and there are no answers given)

http://www.gedtestingservice.com/freepractice/download/GED_Science/GEDSciencePracticeTest.html

- **GED Testing Service** – GED Science Item Sample (to get an idea of what the test may be like)

<http://www.gedtestingservice.com/itemsamplerscience/>

- **4tests.com** – free online practice tests – Practice Test B is for GED 2014 (Practice Test A is for older version of test) students can get a feel for what the online test is like.

<http://www.4tests.com/exams/examdetail.asp?eid=139>

- **Assessment Guide for Educators:** A guide to the 2014 content from GED Testing Service:

<http://www.riaepdc.org/Documents/ALALBAASSESSMENT%20GUIDE%20CHAPTER%203.pdf>

- **Minnesota is getting ready for the 2014 GED test!** – website with updated information on the professional development in Minnesota regarding the 2014 GED.

http://abe.mpls.k12.mn.us/ged_2014_2

- **Essential Education's 2014 GED Test Curriculum Blueprint** (PDF)

<http://www.passged.com/media/pdf/educators/curriculum-blueprint.pdf>