SAGE Update

November 6, 2013

SAGE
Student Assessment of Growth and Excellence

SAGE SCIENCE

Science

Subjects Tested

- Same core documents since 2002 except for Earth Science
- Grades 4 – 12
  - Grades 4 – 8 are grade specific
    - For example, all 6th grade students should be taught and tested on the 6th Grade science core
  - Grades 9 – 12 are course specific
    - Biology
    - Earth Science**
    - Chemistry
    - Physics

**Note: Starting this school year (2013-2014) Earth Systems has been replaced by Earth Science. Earth Systems should not be taught.

Science

SAGE Components

- Summative
  - End-of-year adaptive tests in each of the Science courses/grades
- Interim
  - Middle-of-year adaptive tests
  - Can be given up to two times per year
  - Full blueprint, adaptive tests, items from the summative item bank
  - Administered at LEA discretion
- Formative
  - Separate system from Summative and Interim
  - Accessible by teachers, students and parents
  - Open source lesson plans, tests, quizzes aligned to Utah core
  - More features to come

Science Blueprints

- Ranges shown were taken from the CRT blueprints
- Student reports will include information for the levels shown in the blueprints
  - Class, teacher, school and LEA reports will include more detailed information as appropriate
- Students will be tested on the full range of Objectives under each Standard
- All items aligned to a Standard, an Objective, and an ILO
- All items flagged for Depth of Knowledge

Chemistry		
# of items (54 scored items)	Min	Max
Standard CH.I	15%	19%
Standard CH.II	15%	19%
Standard CH.III	15%	19%
Standard CH.IV	15%	19%
Standard CH.V	15%	19%
Standard CH.VI	15%	19%
ILO1	22%	26%
ILO3	24%	28%
ILO4	22%	26%
ILO5/ILO6	24%	28%
DOK 1	9%	33%
DOK 2	22%	60%
DOK 3/4	20%	40%

Science

Item Types

- Variety of Item Types
  - Selected Response
    - Multiple Choice
      - Single Select
      - Multiple Select
    - Drag and Drop
    - Hot Spot
  - Constructed Response
    - Short answer
    - Create/Complete a Chart, Graph, or Diagram

Item types are selected based on appropriate ways to measure the Standards, Objectives, and ILOs

Science

Item Types

- Simulations
  - Students perform a simulated lab experience or science investigation
    - Select from a variety of input variables
    - Output data is generated and displayed in a table
  - Students may run multiple trials using different variables for each
  - Questions accompanying each simulation require analysis and interpretation of the displayed results

Samples of the various item types can be viewed at http://demo.tds.airast.org/AIRAssessment/

Science

Time:

- Estimated
  - Elementary – 90 minutes
  - Secondary – 90 minutes
- Scheduling can be configured to meet local needs
- SAGE tests are not timed

References

Reference Sheets

- Chemistry – Periodic Table
- Physics – Formula sheet
- No other grades or courses allowed

Calculators

- Allowed for all grades/subjects
  - The core is not calculation-heavy at any grade
- Students may use their own
  - No device that can access the internet is allowed

Reference Sheets and Calculators provided as on-screen tools in the testing system

Contacts

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Information about SAGE can be found at

http://sageportal.org