SREB

Innovations in Science and Technology - Course 3

Code: 9046

INNOVATIONS IN SCIENCE AND TECHNOLOGY – COURSE 3

Test Code: 9046
Version: 01

Specific Competencies and Skills Tested in this Assessment:

Information about the AC course standards can be found in the front of the AC course teacher guide.

CTE
1A CTE
1B CTE
1C CTE
1D CTE
4I CTE
5J CTE
6I CTE
9I CTE
9K CTE
9L CTE
11M CTE
11N CTE
13J CTE
16J CTE
16M CTE
STL #4 I CTE
STL #5 J CTE
STL #6 I CTE
STL #9 K CTE
STL #13 J CTE

Literacy
RST.9-10.1 Literacy
RST.9-10.2 Literacy
RST.9.-10.4 Literacy
RST.9-10.4 Literacy
RST.9-10.10 Literacy

Math

F-IF.2 Math
G.MG.2 Math
G.MG.3 Math
G.GMD.4 Math
ID.3 Math
N-Q.1 Math
N-Q.3 Math
S-IC.4 Math

Science

HS-PS3-3 Science
HS-PS4-5 Science
Asking questions and defining the problem. Science
Obtaining, evaluating, and communicating information. Science
Planning and carrying out investigations. Science

<u>Written Assessment:</u>

Administration Time: unlimited
Number of Questions: 60

Areas covered:

52%	CTE
8%	Literacy
22%	Math
18%	Science

Sample Questions:

3D models are created in CAD systems in order to create:
A.   A data base of information about materials, sizes and specifications that can be analyzed without having to actually make the part
B.   Pictures that show how a product might be used
C.   Files that can be used to map geographic features
D.   Files that are used in engineering reports

Describing the goals, components, control, and user experience is what part of the GDD?
A.   Visual style
B.   Characters and storyline
C.   Core gameplay
D.   Platform

Which of the following materials could NOT currently be used to supply a 3D printer?
A.   Glass pellets
B.   Metal alloys
C.   Plasticine
D.   Hermoplastics