

SREB

**Innovations in Science
and Technology -
Course 2**

Code: 9045

INNOVATIONS IN SCIENCE AND TECHNOLOGY –

COURSE 2

Test Code: 9045

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

3F CTE
4AE CTE
5G CTE
CT.3F CTE
CT.3J CTE
CT.4E CTE
CT.4I CTE
CT.5F CTE
CT.5I CTE
CT.5J CTE
ITEA.6.I CTE
ITEA.13.F CTE
ITEA.13.H CTE
ITEA.9.K CTE
ITEA.9.L CTE
ITEA.11.J CTE
ITEA.11.L CTE
ITEA.17.D CTE

Literacy

ELA.1 Literacy
ELA.3 Literacy
ELA.4 Literacy
ELA.7 Literacy
ELA.8 Literacy
ELA.9 Literacy
ELA.10 Literacy

Innovations in Science and Technology – Course 2 (continued)

Math

A.3 Math
G.4 Math
G.MG.1 Math
G-MG.1 Math
G.MG.2 Math
M.REI.1 Math
M.REI.3 Math
A.REI.3 Math
N-Q.3 Math
REI.3 Math
S.MD.5 Math
S.MD.7 Math

Science

A.2 Science
C.4 Science
D.2 Science
F.1 Science
F.3 Science
F.4 Science
S.B.5 Science

Innovations in Science and Technology – Course 2 (continued)

Written Assessment:

Administration Time: unlimited

Number of Questions: 62

Areas covered:

37%	CTE
21%	Literacy
23%	Math
19%	Science

Sample Questions:

A town that has few funds available for storm water or flood management could:

- A. Research low-cost options that may be more appropriate
- B. Not monitor flooding
- C. Build a retention pond without considering filtration
- D. Construct a smaller dam

An environmental study dealing with water quality is likely to have the prefix:

- A. Helio
- B. Cumulo
- C. Hemo
- D. Hydro

A six sided die is rolled once. What is the probability of rolling a three?

- A. 1/3
- B. 1/6
- C. 3/1
- D. 2/6