

SREB

Clean Energy Technology - Course 4

Code: 9043

CLEAN ENERGY TECHNOLOGY – COURSE 4

Test Code: 9043

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

1d CTE

1e CTE

1f CTE

2f CTE

3b CTE

4b CTE

4c CTE

5e CTE

Literacy

RST 11-12.1 Literacy

RST 11-12.2 Literacy

RST 11-12.4 Literacy

RST 11-12.7 Literacy

RST 11-12.8 Literacy

RST 11-12.10 Literacy

Clean Energy Technology – Course 4 (continued)

Math

APR.3 Math

BF.A Math

BF.3 Math

CP.2 Math

CP.3 Math

CP.5 Math

CP.6 Math

IC.1 Math

ID.2 Math

ID.3 Math

ID.6 Math

IF.7 Math

MD.2 Math

TF.5 Math

Science

Disciplinary Core Area-ESS Science

Disciplinary Core Area-PS Science

Disciplinary Core Area-LS Science

Clean Energy Technology – Course 4 (continued)

Written Assessment:

Administration Time: unlimited

Number of Questions: 67

Areas covered:

42%	CTE
18%	Literacy
24%	Math
16%	Science

Sample Questions:

Variable Speed Devices enable a change in the speed of a(n):

- A. Motor
- B. Inverter
- C. Regulator
- D. Converter

Model documentation should include:

- A. Material options not used in the model
- B. Instructions for assembly
- C. Background research sources
- D. Number of prototypes built

Matter that contains more than one kind of element is called a:

- A. Proton
- B. Neutron
- C. Isotope
- D. Molecule