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:

<table>
<thead>
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<th>Percentage</th>
<th>Area</th>
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<tbody>
<tr>
<td>42%</td>
<td>CTE</td>
</tr>
<tr>
<td>18%</td>
<td>Literacy</td>
</tr>
<tr>
<td>24%</td>
<td>Math</td>
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<tr>
<td>16%</td>
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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