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
Written Assessment:

Administration Time: unlimited
Number of Questions: 67

Areas covered:

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

The online testing system provides a built-in, five-function calculator. However, a scientific calculator is recommended for this assessment.