CLEAN ENERGY TECHNOLOGY – COURSE 2

Test Code: 9041
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
1B or ET-1 CTE
2B or ET-1 CTE
10B or ET-1 CTE
14B or ET-1 CTE
2C or ET-1 CTE
5C or ET-1 CTE
2D or ET-1 CTE
5D or ET-1 CTE
8D or ET-1 CTE
1E or ET-1 CTE
2E or ET-1 CTE
9E or ET-1 CTE
1F or ET-1 CTE
6F or ET-1 CTE
14G or ET-5 CTE
16d or ST-1 CTE
16e or ST-1 CTE
18A or ST-1 CTE
18B or ST-1 CTE
20A or ST-1 CTE
28A or ST-1 CTE
18D or ST-1 CTE
Clean Energy Technology – Course 2 (continued)

**Literacy**
RST9-10 Literacy
RST.9-10.3 Literacy
RST.9-10.4 Literacy

**Math**
A.REI.1 Math
N-Q.1 Math
N-Q.2 Math
F-TF5 Math
N-VM.C.6N-VM.C.6 Math
N-VM.C.6 Math

**Science**
HP-PS3-2 Science
HP-PS3-2 Science
HS-PS3-3 Science
HS-ETS1-2 Science
HS-ETS1-2 Science
Written Assessment:

Administration Time: unlimited
Number of Questions: 51

Areas covered:

<table>
<thead>
<tr>
<th>%</th>
<th>Area</th>
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<tbody>
<tr>
<td>43%</td>
<td>CTE</td>
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<tr>
<td>16%</td>
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</tr>
<tr>
<td>21%</td>
<td>Math</td>
</tr>
<tr>
<td>20%</td>
<td>Science</td>
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Sample Questions:

The most dangerous radiation to living things is:
  A. Alpha  
  B. Neutrino  
  C. Beta  
  D. Gamma

Find the area of a window that is 4 feet tall and 22 inches wide.
  A. 88 square inches  
  B. 88 square feet  
  C. 7.33 square feet  
  D. 7.33 square inches

The factors that control the amount of electricity produced in a microbial fuel cell are the type of bacteria present and the:
  A. size of the cell  
  B. phosphorus content  
  C. temperature  
  D. capacity of the batteries