NOCTI

Partner Credential Blueprint

SREB

Energy and Power - Course 3

Code: 9024

ENERGY AND POWER – COURSE 3

Test Code: 9024
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
CTE.ST.2
CTE.ET.1
CTE.SM.2
CTE.SM.4
CTE.ET.3
CTE.ET.4

Literacy
L.RST.11-12.4
L.WHST.11-12.9
L.RST.11.12.1
L.RST.11-12.10
L.RST.11-12.1
L.WHST.11-12.5
L.RST.11-12.2

Math
N.VM.3
A.CED.2
A.REI.C.6
A.REI.2
S.ID.B.6
A.REI.10
S.IC.2
S.IC.5

Energy and Power – Course 3 (continued)

Science
S.ETS1-2
S-ETS1-3
S-ETS1-4
S-PS2-5

Written Assessment:

Administration Time: unlimited
Number of Questions: 61

Areas covered:

50%	CTE
18%	Literacy
16%	Math
16%	Science

Sample Questions:

A unit of power equal to the power rate of one joule of work per second is a(n):
A. Volt
B. Watt
C. Erg
D. Ampere

Which of the following points lies on the graph of the equation: 5x-2y=25?
A. (5, -2.5)
B. (6, -2.5)
C. (3, -5)
D. (3, 5)

Explain how current can be induced in a conductive wire coil without contact.
A. Wrap the wire around a magnet
B. Connect the wire coil to an electricity source
C. Move the wire coil through a magnetic field
D. Move the wire coil through an electrical field