



Phase 0/1 Student Skills Assessment

Technical Solutions Inc.

Name : _____

Date: _____

Phone #: _____

Email Address: _____

To assess your understanding of **math, reading comprehension**, and **understanding electricity**, please utilize the scale on the right to accurately and honestly represent your experience and comfort level in each area. Think about how well you understand each subject and how confidently you can explain or apply it.

- “0” - No Understanding
- “1” - Minimal Understanding
- “2” - Basic Understanding
- “3” - Moderate Understanding
- “4” - Advanced Understanding
- “5” - Expert Understanding

Levels of Math

1. Basic Arithmetic: Addition, subtraction, multiplication, division, fractions, and decimals.
2. Advanced Mathematics: Integers, simple equations, ratios, proportions, Sine, cosine, tangent, angles, coordinate geometry, quadratic equations, graphing, and basic problem-solving.

0 1 2 3 4 5
○ ○ ○ ○ ○ ○

0 1 2 3 4 5
○ ○ ○ ○ ○ ○

Levels of Reading Comprehension

1. Literal Comprehension: Understanding the meaning of the text, such as facts, details, and main ideas.
2. Vocabulary Development: Grasping the meaning of words, phrases, and context clues within the text.
3. Inferential Comprehension: Making inferences, drawing conclusions, and understanding implied meanings.
4. Analytical Reading: Breaking down complex texts, interpreting themes, understanding subtext, and connecting ideas.

0 1 2 3 4 5
○ ○ ○ ○ ○ ○

0 1 2 3 4 5
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0 1 2 3 4 5
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0 1 2 3 4 5
○ ○ ○ ○ ○ ○



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Levels of Understanding Electricity

- | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1. Basic Concepts: Understanding static electricity, current, voltage, resistance, and the concept of electric charge. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Ohm's Law and Circuits: Applying Ohm's Law ($V = IR$) to simple circuits, series, and parallel circuits. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 3. Electromagnetism: Understanding magnetic fields, electromagnets, and the relationship between electricity and magnetism. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 4. Alternating Current (AC) vs. Direct Current (DC): Grasping the differences between AC and DC, including their generation and applications. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 5. Electrical Components: Familiarity with resistors, capacitors, inductors, diodes, and transistors, including their functions and uses. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 6. Circuit Design: Designing and analyzing more complex circuits using components like relays, switches, and integrated circuits. | 0 | 1 | 2 | 3 | 4 | 5 |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

After completing all questions, please tally your scores here by adding their numeric values (60 points maximum): _____.

If your score is under **47** points, we recommend you enroll in “**Phase 0**” to build a stronger foundation. For those who score **48** or higher, we suggest proceeding to “**Phase 1**” to further advance your understanding and skills. Please email this completed form with results to John.slisz@cncts.com or mark.zelasko@cncts.com so they can better assist your placement.