Unit 3
Communication Electronics
Lesson 3.3

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Lesson Title  Basic Electrical Theory – Voltage & Current
Curriculum Area  Science, Language Arts - Writing
Grades  6 – 8
Duration  2 class periods
Content Standard  SC – 4,
WR - 1
Benchmarks  SC – 4.1
SC – 4.2
WR – 1.2

Goals
• Develop the students’ understanding of basic electrical theory
• Develop the students’ understanding of the relationship between magnetism, voltage and current

Objectives
• Students describe the flow of electrons in a conductor
• Students describe the effects of voltage on current

Resource Materials
Now You’re Talking, Chapter 5
Understanding Basic Electronics, Chapter 10

Instructional Content
Current flow in a conductor
Voltage and its effect on current flow

Suggested Activities
1. Students write a paragraph describing how current flows through a conductor.
2. Students write a paragraph describing what effect voltage has on current flow in a conductor.