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**SYNOPSIS:**

Science and technology are changing the world, and it is not just happening here or in other advanced nations. Changes brought about by expanded access to information are reaching into developing areas, bringing new opportunities and transforming lives.

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**CURRICULUM UNITS:**

Biology  
Biochemistry  
Chemistry  
Electronics  
Engineering  
Entomology  
General Science

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**CAREER OPPORTUNITIES:**

Computer science  
Ecology  
Engineering  
Information Technology  
Social Science

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**PROGRAM OVERVIEW:**

In the modern world, we can be instantly connected to and able to access an almost unlimited supply of information. But people in developing countries don't have these resources and their lack of education and access to information puts them at a disadvantage. Scientists are working to improve living standards by improving access to knowledge.

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**ISSUES AND CRITICAL THINKING:**

- 1) After viewing the program, ask students the following:
  - a) What difference can the internet make in peoples lives?
  - b) What are some other ways technology can improve living standards in less developed countries?
  - c) Fishermen used technology to help them fish, but it didn't work – why?
  - d) Explain the phrase "it's a small world."
- 2) Compare our modern world and that of a developing nation.
- 3) Have students research other ways that science is helping developing nations.
- 4) Have students brainstorm ideas to increase work opportunities in developing countries.

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**ARTISAN-** A skilled manual worker.

**COMMUNITY-** Society at large.

**DEVELOPING NATION-** A country in the process of becoming modernized.

**IRRIGATION-** The artificial distribution of water to land for agriculture use.

**ISOLATED-** Set apart; separated from the rest of the world.

**PRESERVE-** To protect, to save.

**RESOURCES-** The means to handle situations, something to turn to help or support.

The Wonders of Technology,  
Genetic Engineering,  
Biotechnology



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TECHNOLOGY: SCIENCE  
IN THE THIRD WORLD



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