
SYNOPSIS:

Scientists are creating new technologies to prevent crime and terrorism during the next millennium. At the same time, using computer modeling and animation, we have made great strides in our ability to predict catastrophe and prevent injury from natural disaster. This program looks at the latest developments in technology designed to preserve our safety and security.

CURRICULUM UNITS:

Chemistry
Computer Science
Criminology
General Science
Physics

CAREER OPPORTUNITIES:

Chemist
Computer Scientist
Criminologist
Fire Fighter
Law Enforcement
Paramedic
Security Guard

PROGRAM OVERVIEW:

New technology is being employed to reshape the world and change almost everything about the way we live. This program explores the issue of security in the coming decades.

ISSUES & CRITICAL THINKING:

- 1) After showing the program, ask your students the following questions:
 - a) What kinds of surveillance did this program mention?
 - b) What's the difference between audio and video surveillance?
 - c) What are some uses of surveillance the program did not mention?
 - d) What does "smart water" do?
 - e) What are some new identification techniques that may be used?

- 2) Have students discuss possible ways to use computers to identify human beings that are not mentioned in this program.

- 3) Have student's research futuristic technology and report their findings.

CONCOCTION- A substance made by combining different ingredients.

CULPRIT- A person who is accused of a fault or crime.

MONITOR- To observe and keep track of activities in order to collect information.

INFRARED- A range of invisible radiation wavelengths.

PREDICT- To state, tell about or make known in advance.

STRATEGIC- Carefully planned to achieve an end.

SURVEILLANCE- Close observation, the condition of being watched closely.

TERRORISM- The unlawful or threatened use of force or violence by a person or an organized group against people or property with the intent to frighten or intimidate.

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Genetic Engineering,
Biotechnology



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SAFE AND SECURE IN
THE 21ST CENTURY



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