

Science Minilessons: Understanding Media

Radio Star

RESEARCH the definitions of AM radio and of FM radio.

COMPARE and **CONTRAST** the features of each.

INVESTIGATE kits for building radios.

Special Challenge: **CHOOSE** and **BUILD** a radio of your own.

Movie News

INTERVIEW a theater projectionist about the difference between film and digital movies.

RESEARCH how frame rates fool the human eye into seeing motion.

EXPLAIN to classmates what you have learned.

Media Time Line

RESEARCH the types of media humans have used to communicate since the Stone Age.

LIST the most historically significant media inventions on a time line.

EXPLAIN why you chose each item on your time line.

Math Minilessons: Understanding Media

Virtual Visit

USE an online map site to find a tourist attraction within 100 miles of your school.

RECORD the listed distance and the projected travel time to that spot.

CALCULATE the average speed (in mph) that you must travel to make the trip in that time.

Roman Road

RESEARCH the history of Roman numerals.

WRITE a paragraph to explain how the symbols I, V, X, C, D, and M came to mean what they do.

Make an adding machine.

TYPE the code below into a blank document (exactly as shown).

```
<html><body><form name="calc">
X:<input type="text" name="X"> + Y:<input type="text" name="Y"> = Z:<input type="text" name="Z">
<input type="button" value="Add"
  onclick="document.calc.Z.value=eval(document.calc.X.value)+eval(document.calc.Y.value);">
</form></body></html>
```

SAVE the document in "Text Only" format.

NAME the document "AddingMachine.html."

OPEN the document with a Web browser.

FILL the spaces with numerals and **CLICK** "Add."