

Thinkin' Science – Zap Grades 4-5

Launch the program in the Integrated Curriculum folder. At the Back Stage Pass window enter a name and click on **OK** or select your name from the list of users.



Backstage Menu Zap Stars

Thinkin Science Zap has three learning environments. Each environment has two modes. The Question and Answer mode enables the user to answer particular questions. The Explore mode enables the user to explore, experiment, and create. Each learning environment uses a Zap star to maneuver through the program.

Blaze – practice with light and color in the Laser Lab

Surge – practice with circuit building and repair in the Electroloft

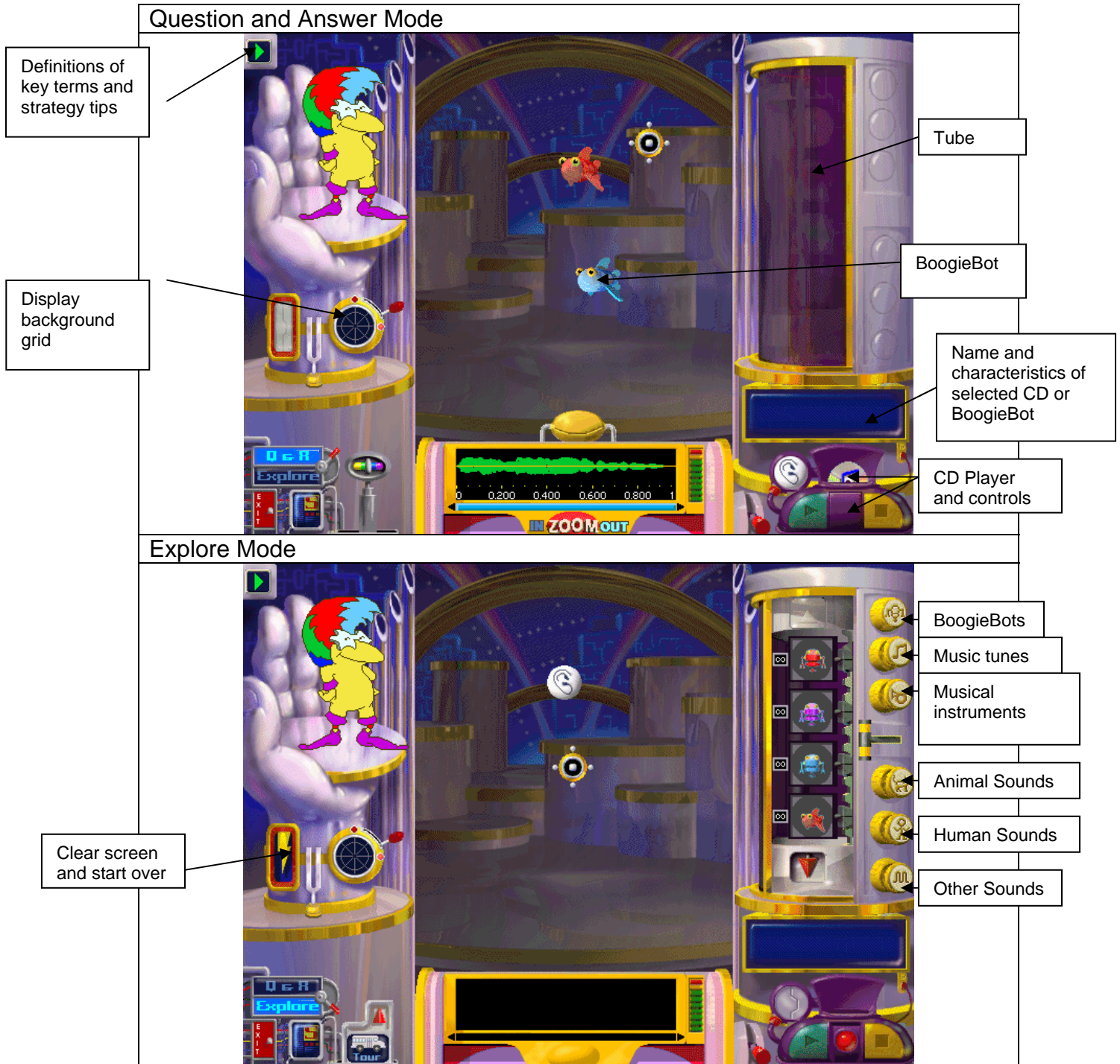
Riff – practice with frequency and amplitude in the SoundWave Studio



The Sci-Clopedia is a reference tool that contains information on basic concepts pertaining to light, sound, and electricity. These reference materials feature illustrations, animations, and interactive exhibits.

SoundWave Studio

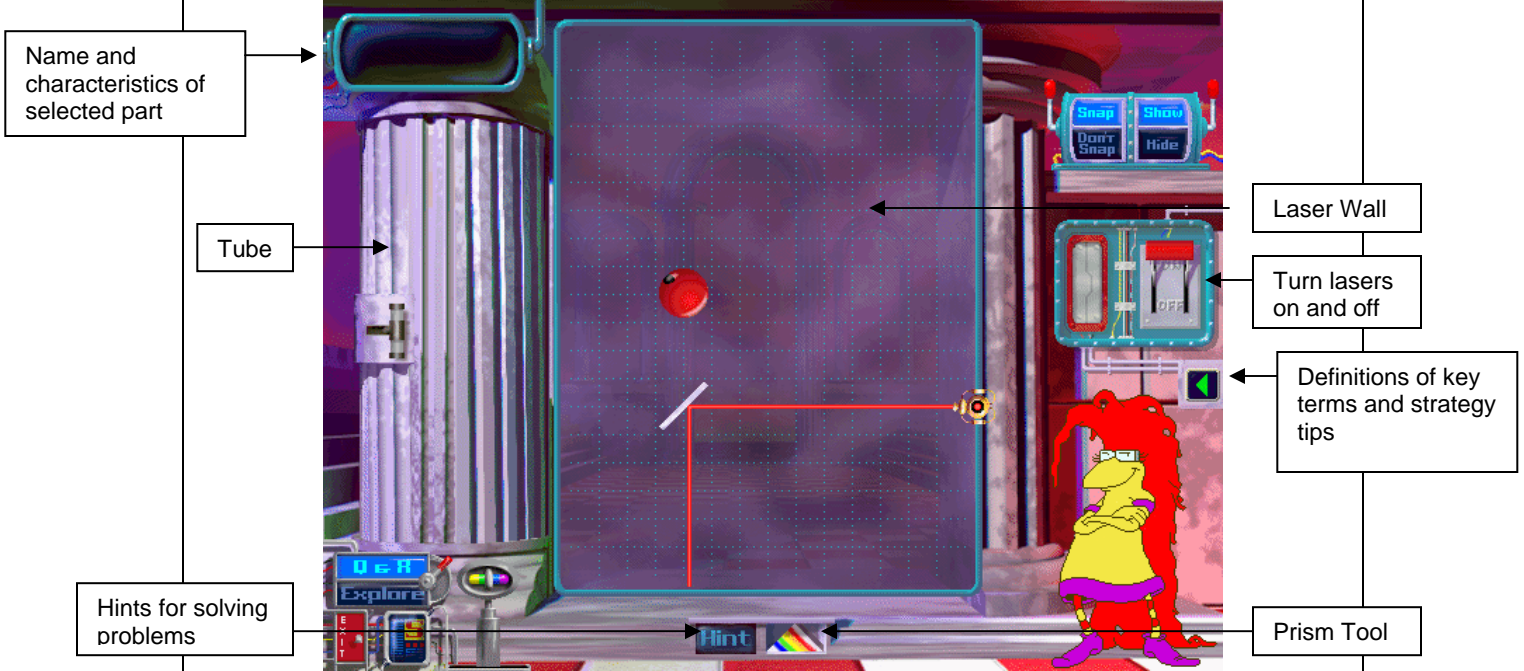
Students explore the properties of sound and sound waves.



Laser Lab

Students experiment with the behavior of light.

Question and Answer Mode



Explore Mode



ElectroLoft

Students experiment with simple series and parallel circuits to determine what's wrong with them.

Question and Answer Mode

Problem Description

Measurement of Voltage, Current, or Resistance

Sample Circuits

Definitions of Key Terms

Which circuit will light the bulb?

Explore Mode

Clear workspace and start over.

Multi-Meter. Measure voltage, current, or resistance.

Name and characteristics of selected tool or object

Circuit Construction Tools

Miscellaneous Devices

Volts

Amps

Ohms

Using the Adult Options

To change the Preference and Grow Slide settings or to modify the User list access the Teacher Options by holding down the Ctrl and Alt keys while pressing the **A** key.

Preferences Tab: This function is preset in the program installation.

Grow Slides Tab: This function allows a teacher to adjust the Grow Slides settings and options. Teachers can monitor a student's activity or set an activity for a student on a specific science topic. The slider advances to more challenging activities as a student successfully completes challenges.

User List: This function allows the teacher to add or remove student names from the User List. Students can add their names if a check mark appears in the box titled "Allow New Users to Add Themselves."

