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**UNIT:** Lighting

**LESSON:** Lighting Fixtures

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**COMPETENCIES:**

1. Discuss architectural lighting, non-architectural lighting, and lighting safety.
  2. Identify basic lighting fixtures and their appropriate use.
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**OVERVIEW/SUMMARY:**

There is a great variety and quality of lighting available.

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**MOTIVATOR:**

Give students two minutes to list different types of lights they have seen; describe the mood created by each and whether it is architectural or non-architectural. Have them share their answers.

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**OPTIONS/SUPPLIES:**

**OPTION 1**

**LECTURE:** Review the information "LIGHTING FIXTURES" with the students, using your textbook or other reference book to show examples of the various fixtures.

**OPTION 2**

**ASSIGNMENT:** Have students recommend lighting on a floor plan of their choice. They should indicate the lighting they would recommend. Remind students to take into consideration the three main sources of light. (It is much easier to correct this assignment if students highlight their light sources with a bright yellow marker.)

**OPTION 3**

**GROUP DISCUSSION:** Have the students discuss the "SAFETY SCENARIOS" in small groups. Each group should decide on one way to improve safety through correct lighting.

**OPTION 4**

**WORKSHEET:** Have students compute the cost of light fixtures for a kitchen and a family room using the worksheet "COST OF LIGHTING". They should also estimate the cost of light bulbs needed to last one year, assuming all lights are turned on five hours a day.

**OPTION 5**

**ASSIGNMENT:** Have students find two magazine pictures of decorated rooms and should mount each picture on heavy paper. Instruct students to circle and identify each source of light.

**RESOURCES:**

American Home Lighting Institute, "Lighting Your Life" R. Presser & Associates, New York, New York, 1986.

Learning Seed "Interior Lighting, Bringing Rooms to Life", Learning Seed, 1990, 330 Telsler Road, Lake Zurich, IL., 60047, 1990.

Lewis, Evelyn L., Housing Decisions "The Finishing Touches" Goodheart-Willcox Company, Inc., South Holland, Illinois 1994.

Sherwood, Ruth F. & Eubanks, Eddy. Homes Today and Tomorrow, Glencoe, Mission Hills, CA. 1990.

Brochure "Lighting Your Life", American Home Lighting Institute.

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