

## Section 1: Mitigation

### Objectives

The student will learn to:

- Define hazard mitigation
- List and evaluate different means of retrofitting

### Overview

In this section, students will learn different methods of protecting their home from potential hazards. They will define key phrases such as hazard mitigation and retrofitting. Students will also learn of some of the different retrofitting techniques.

### Materials

- Students' personal notebook
- Student Manual (pgs. 3-6)
- Section 1 Activity Sheets (see pgs. 6-7 of this guide)

### Lesson Plan for Section 1

**Opening Assignment.** Have students write their answers to the questions below in their personal notebooks. Encourage them to share their answers with the rest of the class, or you can use these questions to generate discussion for a small group:

1. What are some of your most valuable possessions that you keep in your house?
2. Why do you value them so much?

**Introduction to New Material.** There are three ways of teaching the material. You can either do one or a combination of the following strategies:

1. The facilitator reads the definitions aloud on pgs. 4-5 of the student manual (SM) while the students silently follow along.
2. Have students silently read the text.
3. The facilitator and students read the material aloud together.

**Guided Practice.**

- Have students work with a partner to discuss each of the definitions.
- Write the terms on the board and ask students to verbally tell the class what the word means and how it relates to retrofitting and mitigation.
- Have students create a new definition that is written in their own words.

**Independent Practice.** Students will do the following:

- Match the retrofitting practice to the correct example (see Activity 1).
- Explain why retrofitting is a form of hazard mitigation. Give examples of how one can go about retrofitting their house or building (see Activity 2).

**Closing.** Have students write an answer to the following question in their personal notebooks and encourage them to share their answers with the rest of the class:

1. How can retrofitting and hazard mitigation help protect the valuable things in my home?

**Activity 1: Mitigation  
Independent Practice**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

*Directions: Match the definition to the correct retrofitting practice.*

- |                          |   |
|--------------------------|---|
| 1. Levees and Floodwalls | a. During a flood, water can enter below the raised living areas and not cause damage to the structure. |
| 2. Wet Floodproofing     | b. Sealing your building to keep flood water out.   |
| 3. Elevation             | c. Building a barrier around your house that keeps water away.  |
| 4. Relocation            | d. Raising your house so that the lowest floor of your building is above the flood level.               |
| 5. Dry Floodproofing     | e. Moving to a safer spot.  |

**Activity 2: Mitigation  
Written Response**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Why is retrofitting a form of hazard mitigation?  
Give examples.**



**How can I go about retrofitting my house or building?**