

**WASHINGTON COUNTY
EMERGENCY MANAGEMENT AGENCY
LOCAL EMERGENCY PLANNING COMMITTEE**

HOME CHEMICAL SAFETY PROGRAM

CURRICULUM

2010-2011

Washington County LEPC Educational Committee

Verna Brown, Chair – EM Coordinator

Brigitte Heller, - EMS Coord.

Michael Mowen – Red Cross

Capt. Charles Summers - HPD

Jim Eberhart - WC Hospital

*Special Acknowledgement to the Home Chemical Course Development
Participants:*

Verna Brown

John Festerman

Suzanne Sullivan

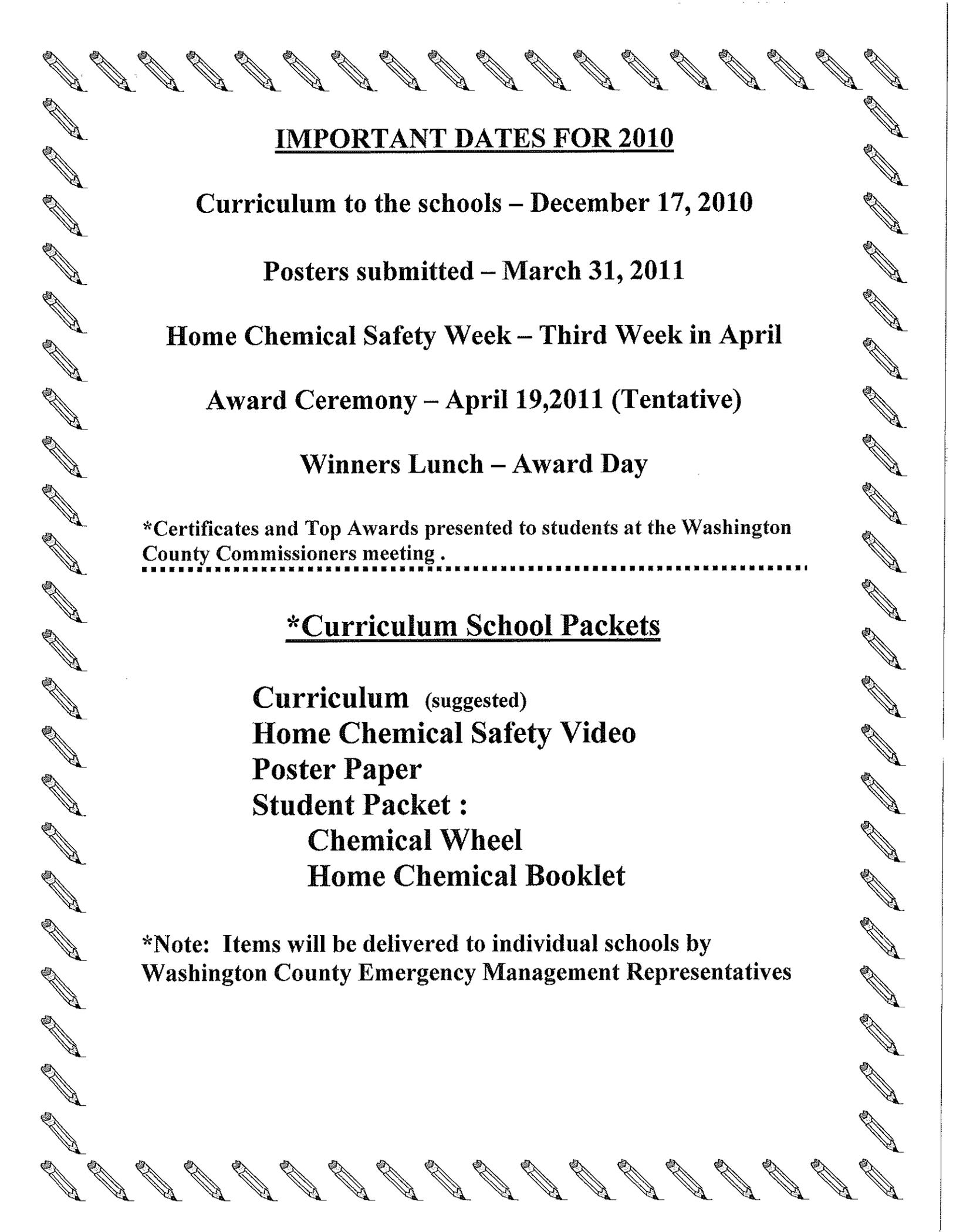
Carol Nase

Linda Zonis

Washington County LEPC Co-Chairs:

**Kevin Lewis, Director, Washington Division of Fire and Emergency
Services**

Sheriff Douglas Mullendore, Washington County Office of the Sheriff



IMPORTANT DATES FOR 2010

Curriculum to the schools – December 17, 2010

Posters submitted – March 31, 2011

Home Chemical Safety Week – Third Week in April

Award Ceremony – April 19, 2011 (Tentative)

Winners Lunch – Award Day

***Certificates and Top Awards presented to students at the Washington County Commissioners meeting .**

***Curriculum School Packets**

Curriculum (suggested)

Home Chemical Safety Video

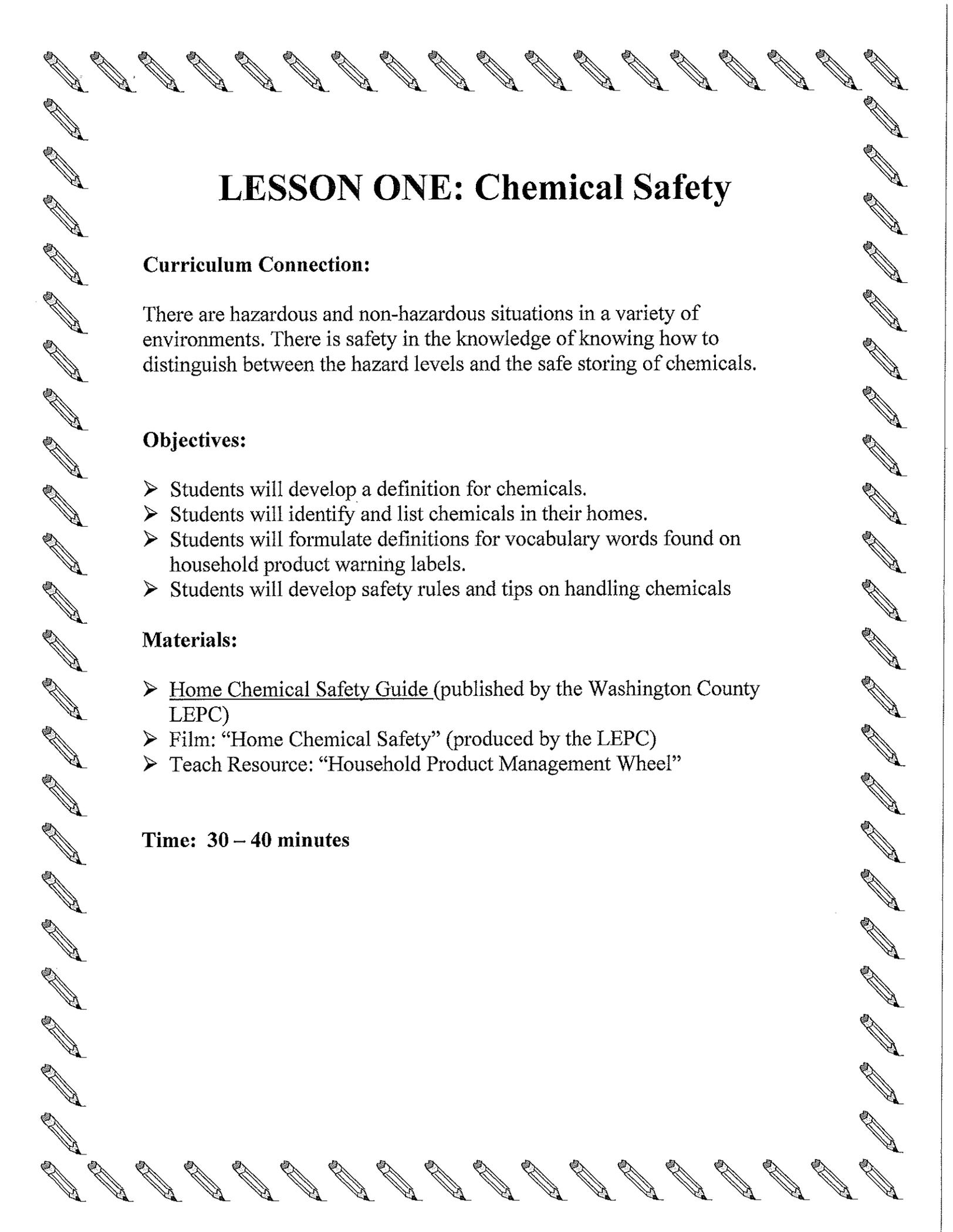
Poster Paper

Student Packet :

Chemical Wheel

Home Chemical Booklet

***Note: Items will be delivered to individual schools by Washington County Emergency Management Representatives**

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LESSON ONE: Chemical Safety

Curriculum Connection:

There are hazardous and non-hazardous situations in a variety of environments. There is safety in the knowledge of knowing how to distinguish between the hazard levels and the safe storing of chemicals.

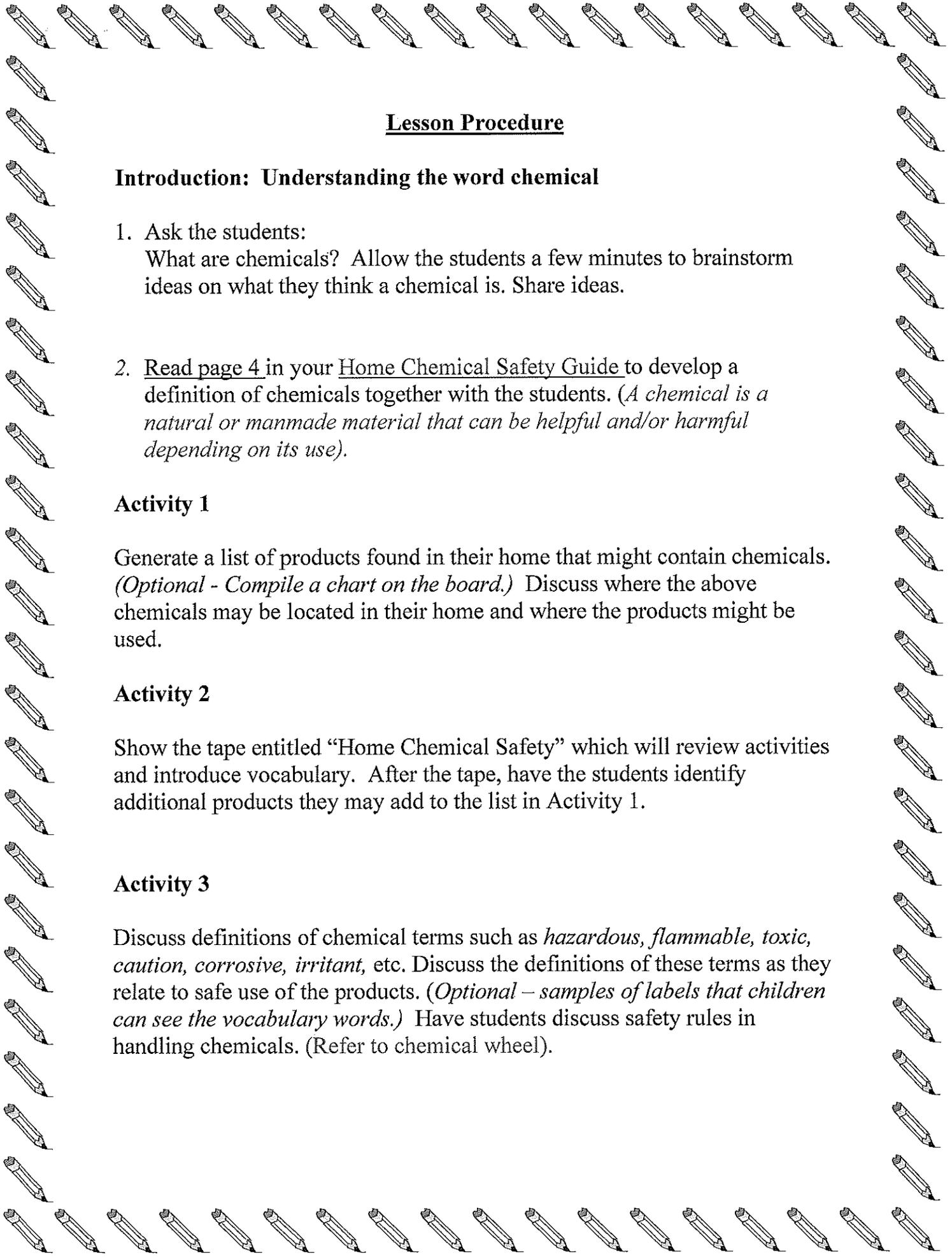
Objectives:

- Students will develop a definition for chemicals.
- Students will identify and list chemicals in their homes.
- Students will formulate definitions for vocabulary words found on household product warning labels.
- Students will develop safety rules and tips on handling chemicals

Materials:

- Home Chemical Safety Guide (published by the Washington County LEPC)
- Film: “Home Chemical Safety” (produced by the LEPC)
- Teach Resource: “Household Product Management Wheel”

Time: 30 – 40 minutes



Lesson Procedure

Introduction: Understanding the word chemical

1. Ask the students:
What are chemicals? Allow the students a few minutes to brainstorm ideas on what they think a chemical is. Share ideas.
2. Read page 4 in your Home Chemical Safety Guide to develop a definition of chemicals together with the students. (*A chemical is a natural or manmade material that can be helpful and/or harmful depending on its use*).

Activity 1

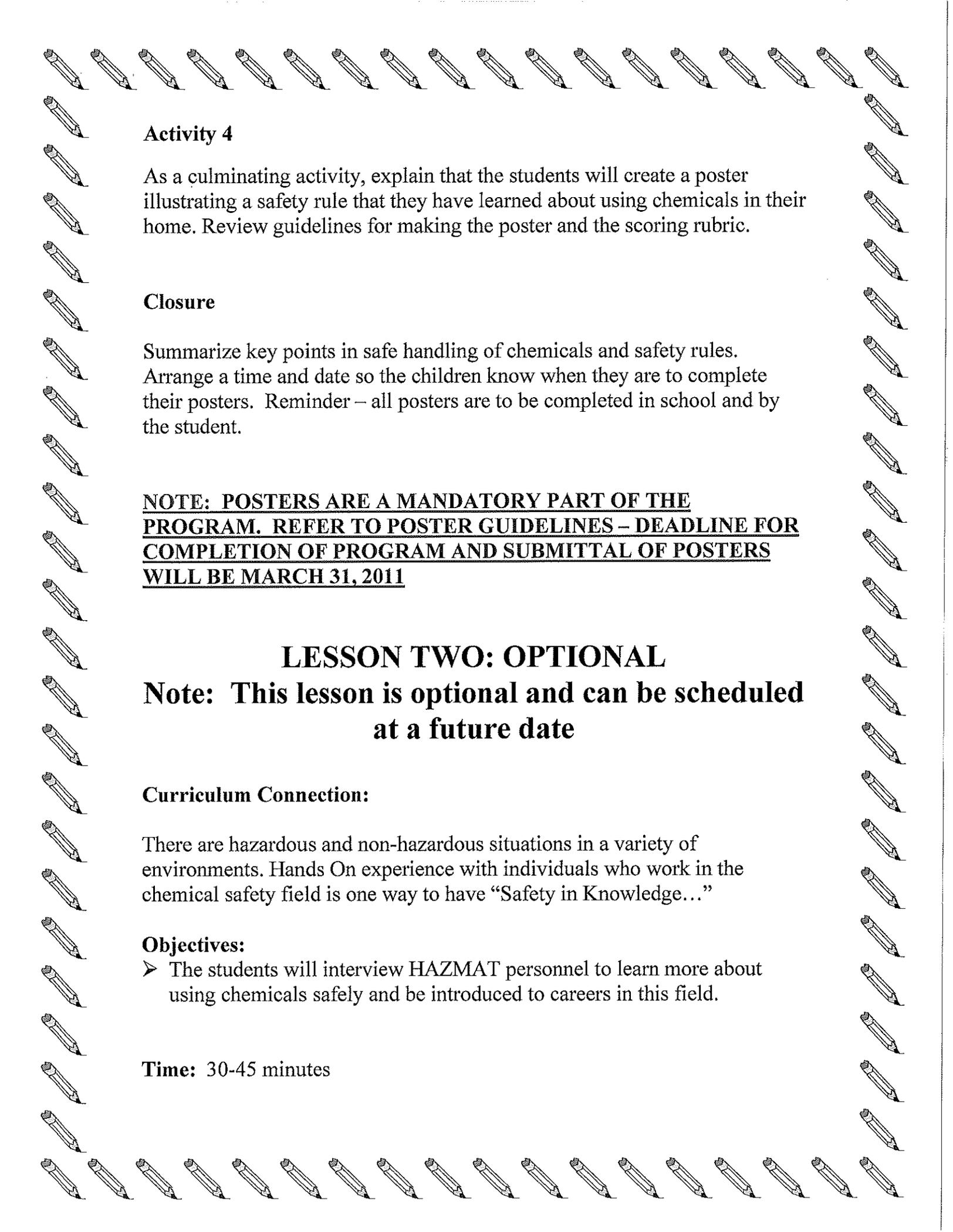
Generate a list of products found in their home that might contain chemicals. (*Optional - Compile a chart on the board.*) Discuss where the above chemicals may be located in their home and where the products might be used.

Activity 2

Show the tape entitled "Home Chemical Safety" which will review activities and introduce vocabulary. After the tape, have the students identify additional products they may add to the list in Activity 1.

Activity 3

Discuss definitions of chemical terms such as *hazardous, flammable, toxic, caution, corrosive, irritant*, etc. Discuss the definitions of these terms as they relate to safe use of the products. (*Optional – samples of labels that children can see the vocabulary words.*) Have students discuss safety rules in handling chemicals. (Refer to chemical wheel).



Activity 4

As a culminating activity, explain that the students will create a poster illustrating a safety rule that they have learned about using chemicals in their home. Review guidelines for making the poster and the scoring rubric.

Closure

Summarize key points in safe handling of chemicals and safety rules. Arrange a time and date so the children know when they are to complete their posters. Reminder – all posters are to be completed in school and by the student.

NOTE: POSTERS ARE A MANDATORY PART OF THE PROGRAM. REFER TO POSTER GUIDELINES – DEADLINE FOR COMPLETION OF PROGRAM AND SUBMITTAL OF POSTERS WILL BE MARCH 31, 2011

LESSON TWO: OPTIONAL

Note: This lesson is optional and can be scheduled at a future date

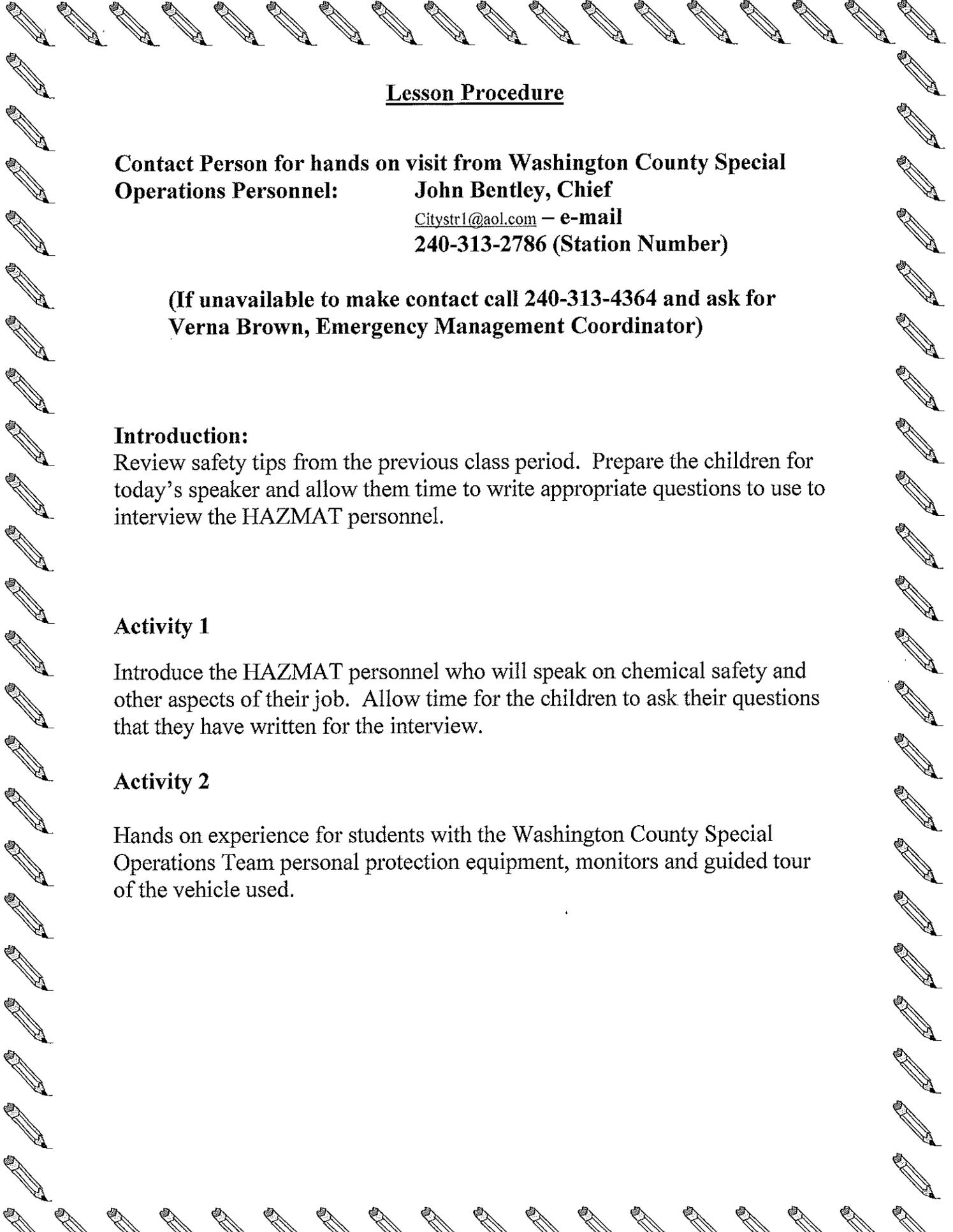
Curriculum Connection:

There are hazardous and non-hazardous situations in a variety of environments. Hands On experience with individuals who work in the chemical safety field is one way to have “Safety in Knowledge...”

Objectives:

- The students will interview HAZMAT personnel to learn more about using chemicals safely and be introduced to careers in this field.

Time: 30-45 minutes



Lesson Procedure

Contact Person for hands on visit from Washington County Special Operations Personnel: John Bentley, Chief

Citystr1@aol.com – e-mail

240-313-2786 (Station Number)

(If unavailable to make contact call 240-313-4364 and ask for Verna Brown, Emergency Management Coordinator)

Introduction:

Review safety tips from the previous class period. Prepare the children for today's speaker and allow them time to write appropriate questions to use to interview the HAZMAT personnel.

Activity 1

Introduce the HAZMAT personnel who will speak on chemical safety and other aspects of their job. Allow time for the children to ask their questions that they have written for the interview.

Activity 2

Hands on experience for students with the Washington County Special Operations Team personal protection equipment, monitors and guided tour of the vehicle used.