

**GRADE 7 SCIENCE**

**CONTENT STANDARD:** The learners demonstrate an understanding of classifying substances as elements or compounds.

**PERFORMANCE STANDARD:** The learners will be able to make a chart, poster, or multimedia presentation of common elements showing their names, symbols, and uses.

**I. OBJECTIVES**

At the end of the session, the students are expected to:

1. Classify elements based on their group or family.
2. Identify the different uses of different elements.
3. Make a poster of common elements showing their names, symbols, properties and uses.

**II. CONTENT**

Topic – Module 3 – Elements and Compounds

References

Code: **S7MT-Ie-f-4**

Teacher’s Guide pp. 17-27

Learner’s Module pp. 19-33

**III. TASK**

**A. Routinary Activities**

1. Putting class in order.
2. Opening Prayer
3. Greetings
4. Checking of Attendance
5. Review

**B. Motivation**

The class will be divided into five groups. Using the periodic table, students will identify the group/family of given elements. The group with the highest score will be the winner.

- a. Cesium
- b. Krypton
- c. Zinc
- d. Cadmium
- e. Radium

**C. Lesson Proper**

***Hands-on***

Out of the materials brought by students (bond papers, color pens/pencil, crayon, oil pastel, water color), they will make a poster showing a common element, its symbol and uses.

Here are the criteria for poster making:

Neatness - 5

Content - 15

Creativity - 10

30 points.

#### **Minds-on**

What elements can you find at the different household materials?  
Are there elements necessary for our everyday survival?  
What are some of the uses of some elements?

#### **Hearts-on**

What is the importance of elements in our daily life?

#### **Generalization**

What is an element? How is it used in everyday life?

#### **IV. EVALUATION**

Each student will present their work in front of the class.

#### **V. ASSIGNMENT**

Be ready for a short quiz about elements and compounds.

Prepared by:

HANNA ELISE G. DE GUZMAN, LPT  
Science Teacher

Noted by:

RAMIR D. ROMASANTA, LPT  
Head Teacher III