

**NOTE: This is a computer lab class. Please make sure you have signed up for the lab in advance.**

TITLE OF LESSON

Physical Science Unit 1 Lesson 17 – Class Periodic Table Presentations

*Nature of Matter: How do tribes comprehend items at the atomic and molecular level?*

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TIME ESTIMATE FOR THIS LESSON

One class period

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ALIGNMENT WITH STANDARDS

California – Sciences: Chem, Atomic and Molecular Structure 1a, b, g; Investigation and Experimentation 1

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MATERIALS

*Kirinyaga* Chapter 4 pp. 114-131 – Reading (not provided by ESubjects)

**Too Busy for a Friend** – Teacher Page

**Class Periodic Table Grading Procedure** – Teacher Page

paper

pen or pencils

periodic table

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LESSON OBJECTIVES

- To learn about the Final Project for this Unit 1
  - To be assigned a group/family of the periodic table
  - To understand a group/family of the periodic table
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FOCUS AND MOTIVATE STUDENTS

- 1) Homework Check – Stamp/initial all homework assignments. Pass back graded work and have students place in the appropriate section of their binders.
  - 2) **Agenda** – Have students copy the agenda you posted.
  - 3) Positive Tribe Member Description – This part of the positive tribe member description can be handled in one of two ways:
    - a) Collect the students’ sheets, you write down the name of each student on a separate sheet of paper, and list what everyone else had to say about that individual. Hand out the sheets the following day. Let the students read them in silence and say no more.
    - b) You can ask students if they would like to share a few of their descriptions. After sharing, ask the students why they think it was important to look at each classmate or tribe member and describe a positive quality or characteristic about him or her. Then ask the students to hand in their positive tribe member description. You then write down the name of each student on a separate sheet of paper, and list what everyone else had to say about that individual. Hand out the sheets the following day.  
Tell students they can keep the sheets describing their positive characteristics.
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ACTIVITIES – INDIVIDUAL AND GROUP

1. Finish Tables – Assign group roles. Have students get to work on finishing their class periodic table. Give them 15 min. Then tell them to print their table.
2. Choose One – Post a copy of the **Class Periodic Table Grading Procedure** and review what is required of them. Have groups get together and decide which table they will use for their presentation. They should choose the one they believe most effectively organizes, highlights, and conveys without oral explanation the ideas they were trying to represent. Remind them that each student must participate in the presentation. Also remind them



that they must not only show the placement of students in the class periodic table, but explain why they chose to group them in this way. Ask them to share why their grouping could be useful in the class. (*Such as which people would work better on a team project, why and how.*)

3. Group Presentation – Each group presents their class periodic table to the class explaining why they grouped the students the way they did. They have 5 min to give their presentation. Have students hand in their tables to be graded.
  4. **Applaud/Critique** – During the presentation have each group write down their praises (applauds) and critiques. Give them 2 minutes to choose 2 praises and 1 critique of the table and presentation that they will share with the group presenting. Then ask students to read them to the group who just presented.
  5. Homework Review – Tell students to read *Kirinyaga* Chapter 4 pp. 114-131 beginning with the beginning of the chapter and ending with “I shook my head. About *manamoukis*.” Have students write a **Dialectical Journal 10** with at least three entries.
  6. Remind them that tomorrow they will be doing research on the Internet so they should go directly to the computer lab.
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#### HOMEWORK

- 1) Students read *Kirinyaga* Chapter 4 pp. 114-131
  - 2) Write a **Dialectical Journal 10** with at least three entries.
  - 3) Study notes and vocabulary to date.
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#### GROUP ROLES

Recorder – You will be responsible for recording your group’s responses.

Facilitator – You will be responsible for keeping your group focused.

Manager – You will be responsible for reporting back to class.

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#### DOCUMENTATION FOR PORTFOLIO

Lab Report 2  
Test 1: Matter  
Lab Report 3  
Class Periodic Table