

INSPIRE GK12 Lesson Plan



Lesson Title	Chemistry Bingo
Length of Lesson	90 minutes
Created By	Erin Anderson
Subject	Chemistry
Grade Level	9-12
State Standards	All Chem 1 state standards
DOK Level	1
DOK Application	Match, Recall, Recognize, Identify
National Standards	B. Physical Science
Graduate Research Element	A working knowledge of chemistry is essential to studying the biogeochemistry of any environment. I must be familiar with marine chemistry and typical marine chemical processes (both biological and geochemical) to conduct my research.

Student Learning Goal: Must correctly match chemistry vocabulary with clues read by the instructor.

State Standards: All Chemistry I. Link posted in teacher's notes.

National Standards: B. Physical Science: Structure of atoms, Structure and properties of matter, Chemical reactions.

Materials Needed (supplies, hand-outs, resources): Teacher's Discovery Bingo Kit, poker chips, candy.

Lesson Performance Task/Assessment: Students must recall concepts and vocabulary that they have learned over the course of the semester. They must identify the correct clue with the vocabulary word on their Bingo sheet.

Lesson Relevance to Performance Task and Students: Students need to regularly review their chemistry concepts throughout the semester, so they will not forget. Also, reviewing concepts leads to a deeper understanding.

Anticipatory Set/Capture Interest: Chemistry crossword: a brief crossword puzzle will show the students what they know and what they don't know. We will immediately begin the Bingo game after spending a few minutes on the crossword puzzle. Link posted in teacher's notes.

Guided Practice: Instructor reads out concepts and clues to students during the Bingo game.

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Independent Practice: Students must correctly match the clue with the vocabulary word on their Bingo sheet.

Remediation and/or Enrichment: All IEP's will be supported. For remediation, more clues will be given to help the students score Bingo. For enrichment, difficult concepts and experiments will be mentioned by the instructor, and students must correctly match these clues with the correct vocabulary word.

Check(s) for Understanding: Different students should score Bingo each time. If the same student scores Bingo over and over again, confusing concepts will be revisited and discussed before the period ends.

Closure:

- Will this game be helpful in preparation for the final?
- How did this game help you remember and understand concepts that we've already studied?

Possible Alternate Subject Integrations:

Teacher Notes:

Teacher's Discovery Bingo Set printed by Teacher's Discovery. Available online for purchase. http://www.teachersdiscovery-science.com/item_details.php?item=53+140+CG00006&SBJ=Science

Mississippi State Standards:

<http://www.explorelearning.com/index.cfm?method=cResource.dspStandardCorrelation&iid=1091>

General Chemistry Crossword Puzzle: <http://pubs.acs.org/doi/abs/10.1021/ed070p1039>