# Lesson Plan

Course/Class: Chemistry 11	Name: Melissa Copland & Melissa Creighton	Date: 30/10/12
Topic: Mole, Mass, and Molar Mass	Unit 2: Stoichiometry	Grade: 11

#### A. Intents/Objectives/Purpose (from NB Chemistry 111-112 Curriculum document)

#### Pedagogical Objectives:

115-3 Explain how a major scientific milestone revolutionized thinking in the scientific communities.

In particular, explain how the mole changed chemistry.

#### Scientific Objectives:

321-1 Represent chemical reactions and the conservation of mass, using molecular models and balanced symbolic equations.

- · Define the law of conservation of mass.
- 323-1 Define molar mass and perform mole-mass inter-conversions for pure substances
  - Define the Mole in terms of the number of atoms in exactly 12 g of carbon-12 (Avogadro's number of particles).
  - Define molar mass and determine the molar mass of an element and compound.
  - Convert number of particles to mass and moles and perform mole-mass inter-conversions.

B. Activities	C. Resources	D. Students
Administration/Homework  Take attendance  Hand out Periodic Table of Elements  Have one scale set up at each table group awaiting student's arrival.	-Attendance sheet -Desks formed in groups prior to class -Periodic Table of Elements -5 scales (1 per table)	-Sitting at desks in groups arranged ahead of time
Introduction/Set/Advanced Organizers  Have power point set up on laptop connected to an overhead projector.  Start class by drawing the students' attention to the front of the room, where 3 elements/compounds are found. Individually introduce Aluminum foil, Water, and Salt Initiate interest by asking "What do these have in common?"  GROUP DISCUSSION -Allow students to generate discussion in groups using their previous knowledge.  Provide a hint to guide student discussion (has to do with amount, yet all have different masses).  Discuss results of each small group in whole class discussion.  Reveal the similarity (MOLES).  Introduce the term MOLE, dispelling rumours about everyday use of the word (humour) and define it.	-Ball of Aluminum foil (27g) -Beaker of water (18g) -Bag of table salt (58.5g) -Overhead projector and screen -Laptop -PowerPoint presentation	-Listening -Observing the materials at front -Discussing in groups -Asking questions for clarification -Laughing at our funny jokes -Reading PowerPoint slides -Taking notes

# **Lesson Plan Stoichiometry**

**Peipei Pang** 

**Lesson Plan Stoichiometry:** 

## Reviewing Lesson Plan Stoichiometry: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "Lesson Plan Stoichiometry," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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