

Daily Lesson Plan

Course Name: Science		Course Code: SNC1W	
Grade Level: 9	Duration: 3 hours	Lesson No: Two	
Unit: Chemistry	Topic: Classification of Matter		

Overall Expectations (Directly from The Ontario Curriculum)

- C2: Investigating and Understanding Concepts – demonstrate an understanding of the nature of matter, including the structure of the atom, physical and chemical properties of common elements and compounds, and the organization of elements in the periodic table.

Specific Expectations (Directly from The Ontario Curriculumg)

C2.5 – investigate the physical and chemical properties of elements, and use their findings to relate these properties to the organization of the periodic table, classify elements, and identify patterns in the periodic table
C2.6 – investigate and describe physical and chemical properties of elements and compounds, including those that make up common household products

Learning Skills & Work Habits (Select from the following list and describe the activity(ies) you plan to track)

□ Responsibility: completes class work

- Organization: identifies, gathers, evaluates, and uses information, technology, and resources to complete tasks
- □ Independent Work: uses class time appropriately to complete tasks
- □ Collaboration: builds healthy peer relationships
- □ Initiative: approaches new tasks with a positive attitude
- □ Self-Regulation: seeks clarification or assistance when needed

Learning Goals (*What do I want the students to know and/or be able to do?*)

Today you will:

- Understand more about matter
- Understand about classification of matter
- Understand the differences between heterogeneous and homogeneous

Success Criteria

(Based on the application, how will I know students have learned what I intended?) (Recording Devices: anecdotal record, checklist, rating scale, rubric) By the end of this lesson I can:

- Give an example of heterogenous and homogenous matter
- I can explain what matter is in my own words

Materials and Resources

Lists the resources to be used:

- Moodle
- YouTube
- Food for experiment
- Internet https://www.nagwa.com/en/worksheets/303168439567/1/

Lesson Structure and Activities

Timing (minutes)	Lesson		
10	ICEBREAKER FORUM		
	List three important scientific discoveries.		
	INTRODUCTION OR REVIEW OR TAKE UP		
	- Take up homework sheet		
	- Show the periodic table - <u>https://pubchem.ncbi.nlm.nih.gov/periodic-table/</u>		

SHORT QUIZ (FOR LEARNING)
None today
GLOSSARY Matter, classification, heterogeneous, homogeneous

ACTIVITY #1

- Getting to know each otherIntroduction powerpoint

ACTIVITY #2

- PowerPoint on static electricity

ACTIVITY #3

- Static electricity worksheet
 Static electricity video: <u>https://www.youtube.com/watch?v=E9pC-aefyo4</u>

ACTIVITY #4

- Cup experiment

Assignment(s):
None today.

	HOMEWORK	
	Worksheets	
	•	
Exit Card		
None today.		
Teacher's Reflections (What do I need to do to become more effective as a teacher in supporting student learning?)		

The Erindale Academy Daily Lesson Plan

Assessment Strategies Check / Highlight all that apply (<i>Teacher may modify the list</i>)					
For Learning	As Learning	Of Learning			
Student product: Diagnostic assignment Practice quiz Pop quizzes Homework Class notes Peer feedback Practice questions Practice tests Observation: Class discussions Peer feedback Student teacher conferences Small group discussions	Student product: Learning logs Self-assessment sheet Homework Self-analysis sheet Peer-analysis sheet Observation: Whole class discussions Group discussions Conversation: Student teacher conferences Small group discussions Pair work	Student product: Assignments Tests Exam Case studies Business report Observation: Student-led discussion/debate Presentation Performance tasks Conversation: Student teacher conferences			
Lesson Tools Check / Highlight all that apply (<i>Teacher may modify the list</i>)					
Direct Instruction Structured overview Lecture Compare & contrast Socratic method Demonstrations	Indirect Instruction Problem solving Case studies Reading for meaning Inquiry Reflective discussion Writing to inform Concept formation Concept mapping Concept attainment	Instructional Skills Explaining Demonstrating Questioning 			
Interactive Instruction PowerPoint / Prezi Video clip(s) Debates Role playing Brainstorming Peer partner Learning/analysis Discussion Laboratory groups Cooperative learning Groups Jigsaw Problem solving Conferencing	Independent Study Essays Computer assisted instruction Journals Learning logs Reports Learning activity packages Correspondence lessons Learning contracts Homework Research projects Assigned questions Learning centers	Experiential Learning Field trips Conducting Experiments Simulations Games Story telling Focused imaging Observations Role-playing Model building Surveys Case studies			