

Lesson Title: Rocks and Minerals		Course: Grade 4 Science	
Learning Outcomes/Intentions			
Outcome: RM4.2 Assess how human uses of rocks and minerals impact self, society, and the environment. (b)Identify objects in their local environment that are made from rocks and minerals (e.g., nickel, table salt, pottery, cement, carvings, brick jewellery, bicycle, nutrients, battery, copper wiring, soda can, plumbing pipe, and sidewalk).			
Understandings: Rocks and minerals are present all around me in the daily products that I use.		Essential Questions: Why is mining so important?	
Knowledge: With out rocks and minerals we would not have a lot of the products that we have.		Skills: identify the products that I use in everyday life and the minerals used to make that product.	
"I can . . ." statements: I can make a list of the products that I use in every day life and identify the minerals used to make that product.			
Assessment Evidence (Evaluate)			
Formative assessment - What are natural resources? asses prior knowledge			
Summative Assessments (Assessment of Learning): Worksheets on daily activities and products used and minerals present			
Learning Strategy's			
Slide show Video Class discussion Group work			
Materials			
Google slide show https://docs.google.com/presentation/d/13KBeTC_9ME5zErR2wMOxNvKpVRXQ0KPWYJPkJsW-5sQ/edit?usp=sharing Video on rocks and minerals 7 copies of worksheets for daily activities 7 copies of natural resources 7 copies of discussion questions			
Learning Plan			

TIME:	ENGAGE:
5 min	What are natural resources, asses prior knowledge?
	What is mining? asses prior knowledge
5 min	EXPLORE: Watch 5 min video
30 min	EXPLAIN: Group work: daily activities handout and identifying products used and minerals present
10 min	ELABORATE: Discussion questions Discuss as a class if time
Reflection	
N/A	