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EXPERIENCE FOSSIL FUELS



ENERGY EDUCATION TOOL KIT

BY INSIDE EDUCATION

UNDER THE EARTH *SCAVENGER HUNT*

Use the 4 mining posters to complete the scavenger hunt!

> <https://www.insideeducation.ca/mining-poster-series>

WHAT POSTER TO SEARCH	FIND
 <p>INTRODUCTION</p>	<ul style="list-style-type: none"> • 3 things we mine in Alberta • A gemstone made of marine molluscs • What is mainly produced from limestone in Alberta? • Where Alberta's sub-bituminous coal can be found • An image taken in 1930 • The cost of a mining truck tire
 <p>ENVIRONMENT & SOCIETY</p>	<ul style="list-style-type: none"> • A Hydrogeologist • An issue related to mining • An innovation related to mining
 <p>PROCESSES OF MINING</p>	<ul style="list-style-type: none"> • 3 tools used for exploration • A mining truck • A career that studies the earth
 <p>CAREERS & FUTURES</p>	<ul style="list-style-type: none"> • 2 types of safety PPE (<i>Personal Protective Equipment</i>) • The year Alberta plans to phase out coal-powered electricity by • 2 post-secondary institutions with mining-related programs • A dinosaur fossil • A newly discovered gemstone in Alberta • A gold pan

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**ENERGY
EDUCATION**
TOOL KIT

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EXPERIENCE THE ENERGY *SCAVENGER HUNT*

Watch PetroLMI's Experience the Energy 360° videos and complete the scavenger hunt!

WHAT VIDEO TO WATCH	WHERE TO LOOK	FIND
AUTOMATED DRILLING	- Rig Floor	A rig (<i>hint: it's the tall, white structure!</i>)
	- Dog House	3 types of Personal Protective Equipment (PPE)
CONVENTIONAL DRILLING	- Mud Tanks	The mud tank (<i>hint: it's red!</i>)
	- Drilling Floor	A ladder (<i>hint: look up at the Derrickhand climbing!</i>)
MINING	- Mine	3 types of mining machinery
	- Crusher	The oil sands 'water fall' (<i>hint: look down!</i>)
	- Truck Shop	3 large tires
SAGD	- Well Pad	What SAGD stands for (<i>hint: look in the video description!</i>)
PROCESSING PLANT	- Compressor Room	The air compressor (<i>hint: it has a screen on it!</i>)
LIQUIDS PIPELINE	- Sky View	4 storage tanks
NATURAL GAS PIPELINE	- Control Room	A digital graph
	- Launch Site	The pipeline (<i>hint: it's white!</i>)
WELLSITE DECOMMISSIONING	- Service Rig Floor	A rig (<i>hint: it is being taken down!</i>)