

# Open Pit Mining Activity Sheet

Jr. Miners will need:

- 1 Claim "Cup"
- 2 Tooth "Picks"
- 1 Straw "Drill"
- 1 Napkin

ORE VALUE	ADD IT UP!	TOTAL
Yellow: 5pts GOLD		
Orange: 3pts SILVER		
Blue: 2pts ANTIMONY		
Orange & Yellow: 10 pts GOLD & SILVER		
	TOTAL ALL:	



**PURPOSE:** The purpose of this activity is to give the player an introduction to the economics of mining.

**OBJECTIVE:** This activity is to show the students the process of mining and importance of reclamation and clean-safe mining! The students will all have the same materials but a varied “open pit” to mine. Depending on age of the students provide 15-20 minutes for mining, 3 minutes for reclamation and 3 minutes to total up there ore value based on the point system and colors obtained.

**TIME:** 30-40 Minutes

**MATERIALS:**

Candy Corn

Fruit Loops

Tooth Picks

Straws

Napkins

Activity Sheet

**SET UP:**

Place 3 Candy Corns in the bottom of each cup

Fill each cup  $\frac{3}{4}$  full with fruit loops

Each student will need:

- 1 Claim “Cup” (they will select their own cups)
- 2 Tooth “Picks”
- 1 Straw “Drill”
- 1 Napkin
- NOTE: If students break or damage any of their tools or request to purchase more mining tools there is a payment system. 3pts for Tooth “Picks” and 5pts for a new Straw “Drill”.

**GOAL:**

Students may only use their tools provided, modifications can be made and are encouraged.

In mining for Yellow, Orange, Blue and Candy Corn, the students can choose to remove ONLY these colors OR they can remove other colors, but at the end of the activity all other colors must be back filled (placed back in the cup).

For every color present outside of the cup at the end of the activity is -3 points.

**Any messy mining equates to -5pts for EVERY miner, regardless of whose it was. This helps promote a standard of CLEAN mining and collaboration among the students.**

### **Metadata for: Cookie Mining**

Grade Level: K-4th

Introduction to mining