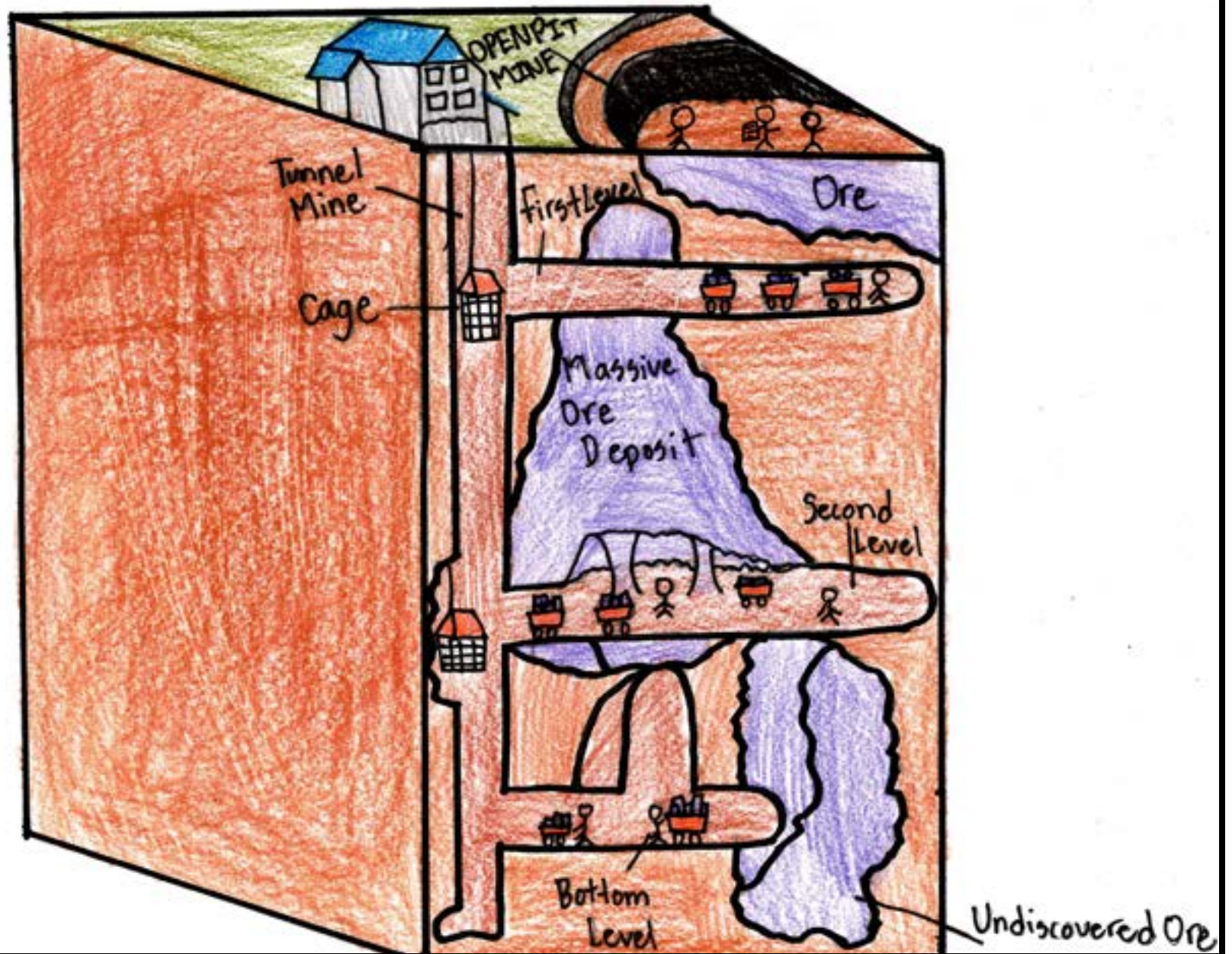


OPEN PIT MINING PROCESS



JANUARY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 New Year's Day	2	3	4	5	6 ○	7
8	9	10	11	12	13	14 ●
15	16	17	18	19	20	21 ●
22 Chinese New Year	23 AME Roundup 2023	24 International Day of Education AME Roundup 2023	25 MineralsEd Elementary Rockhound Day AME Roundup 2023	26 AME Roundup 2023	27	28 ●
29	30	31				

Feldspar

Books



Glass cup





Cement



Ceramic bowl



FEBRUARY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		31	1	2	3	4
5 ○	6	7	8	9	10	11 International Day of Women and Girls in Science
12	13 ☾	14 Valentine's Day	15	16	17	18
19	20 ● Family Day (B.C.)	21	22 Pink Shirt Day	23	24	25
26	27 ☾	28				

- explosive truck




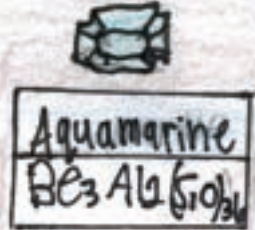






- Drill

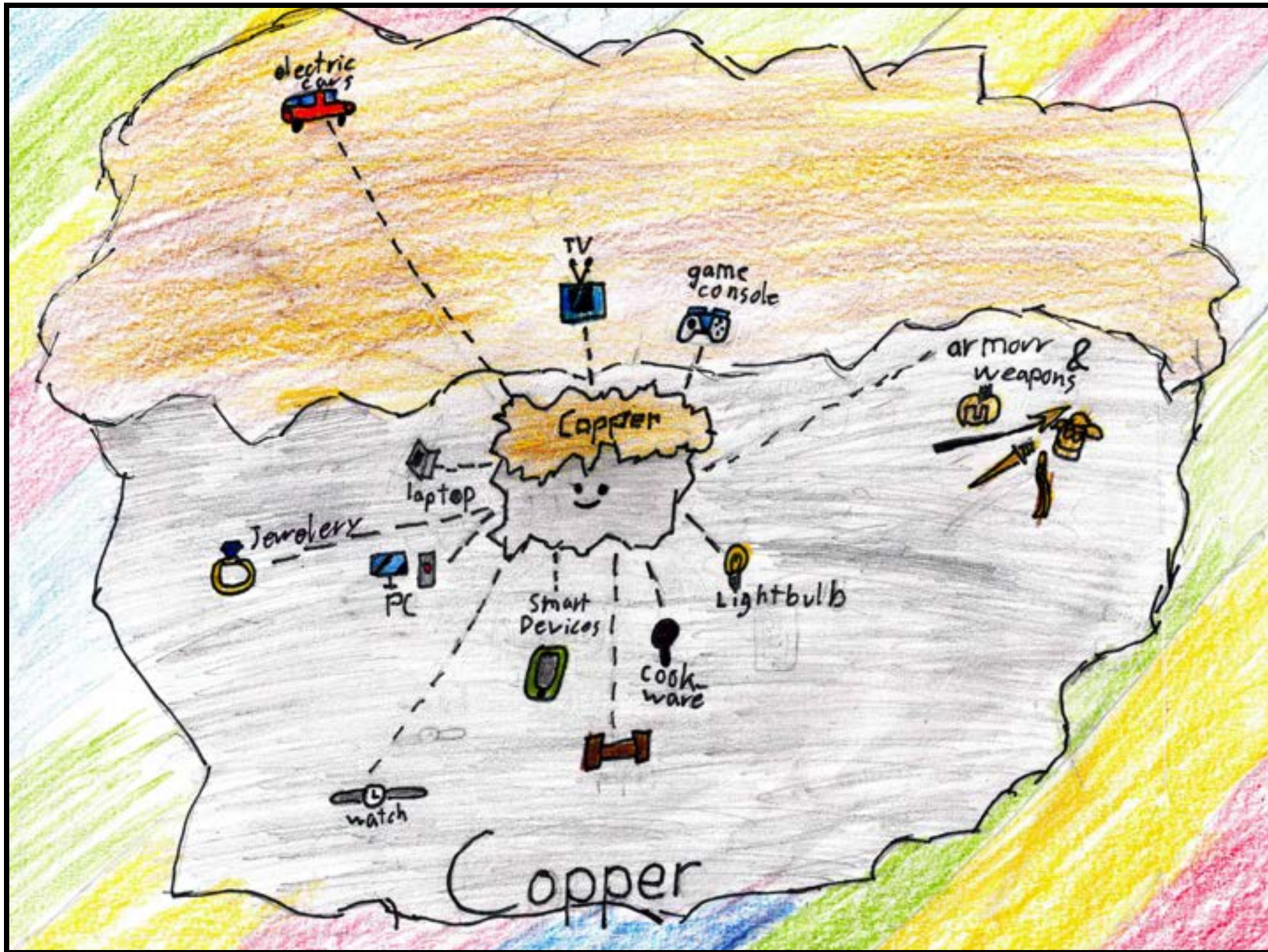


- Bull dozer




MARCH 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5 <small>PDAC 2023</small>	6 <small>PDAC 2023</small>	7  <small>PDAC 2023</small>	8 <small>PDAC 2023</small>	9	10	11
12 <small>Daylight Savings Begins</small>	13	14 	15	16	17 <small>St. Patrick's Day</small>	18
19	20 <small>Spring Equinox</small>	21 	22 <small>World Water Day</small>	23 <small>World Meteorological Day</small>	24	25 <small>Earth Hour @ 8:30 pm</small>
26	27	28 	29	30	31	



APRIL 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4 <small>KEG Conference</small>	5 <small>KEG Conference</small>	6 ○	7 <small>Good Friday</small>	8
9 <small>Easter Sunday</small>	10 <small>Easter Monday</small>	11	12	13 ◐	14	15
16	17	18	19	20 ●	21	22 <small>Earth Day</small>
23	24	25	26	27 ◐	28	29
30 <small>CIM Convention</small>						

How are rocks and minerals used in our every day lives?

In my home

- **Magnetite** → steel nail
- **Feldspar** → toilet and Ceramic Sink
- **Sphalerite** → Sunscreen
- **Fluorite** → tooth paste
- **Quartz** → window glass
- **Granite** → Some kitchens have granite countertops.
- **Stone** → Floor tiles, fireplaces, Marble

In the Street

- **Stone** → They are made roads with a layer of large stones covered by a layer of smaller stones.
- **slabs** → Sidewalks are sometimes made from slabs of concrete.
- **Concrete** → Concrete used for so many things. (Street layer, floor, wall...)
- **Asphalt** → Then a smooth layer of concrete or asphalt goes on top.

More information)

- Rocks are not burn
- If you make floor tiles by stones, stone stays cool and helps keep houses cool in hot weather.
- The slabs are very cheap to make roads.

MAY 2023

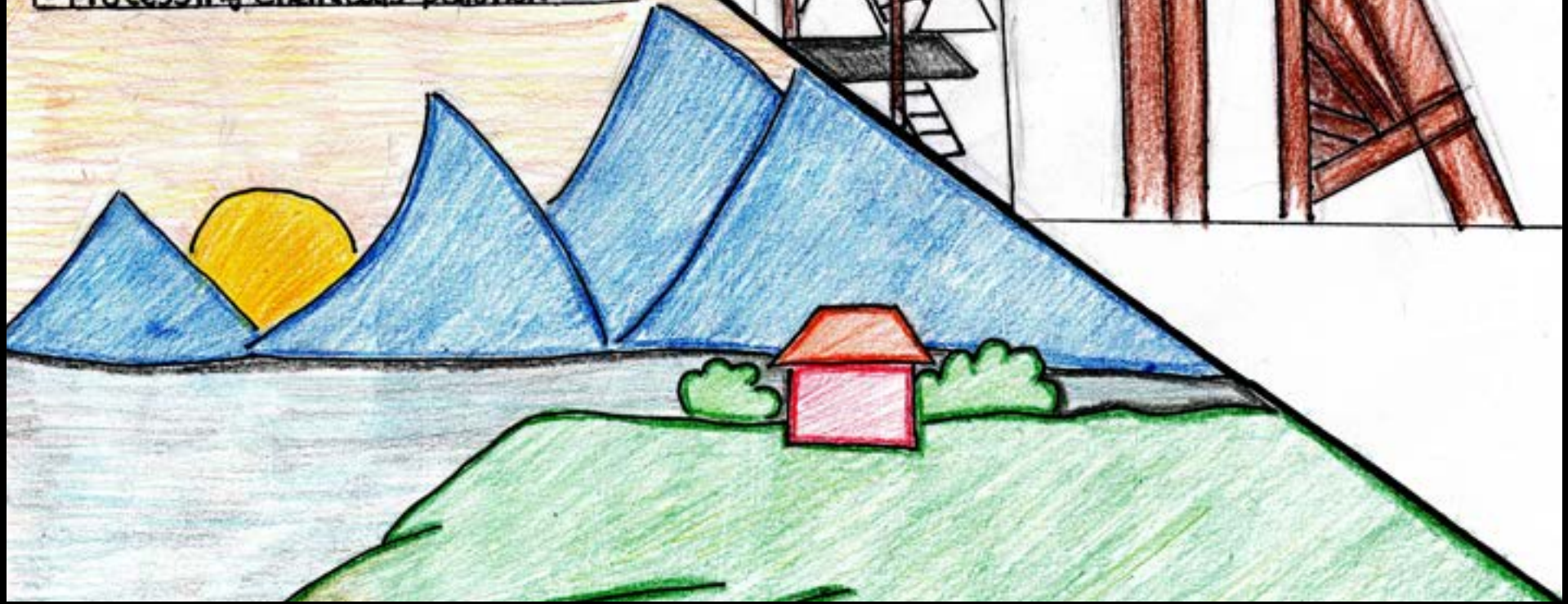
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<p>1</p> <p>B.C. Mining Month (May 1-31) CIM Convention</p>	<p>2</p> <p>CIM Convention</p>	<p>3</p> <p>CIM Convention</p>	<p>4</p>	<p>5</p> <p>○</p>	<p>6</p> <p>Science Odyssey (May 6-21)</p>
<p>7</p>	<p>8</p>	<p>9</p>	<p>10</p>	<p>11</p>	<p>12</p> <p>◐</p>	<p>13</p>
<p>14</p> <p>Mother's Day</p>	<p>15</p>	<p>16</p>	<p>17</p>	<p>18</p>	<p>19</p> <p>●</p>	<p>20</p>
<p>21</p>	<p>22</p> <p>Victoria Day</p>	<p>23</p>	<p>24</p>	<p>25</p>	<p>26</p>	<p>27</p> <p>◑</p>
<p>28</p>	<p>29</p>	<p>30</p>	<p>31</p> <p>Minerals North</p>			

The first mining area in Canada was the Forges du Saind which remained from 1738 to 1883.

The environmental impacts are water pollution, which includes

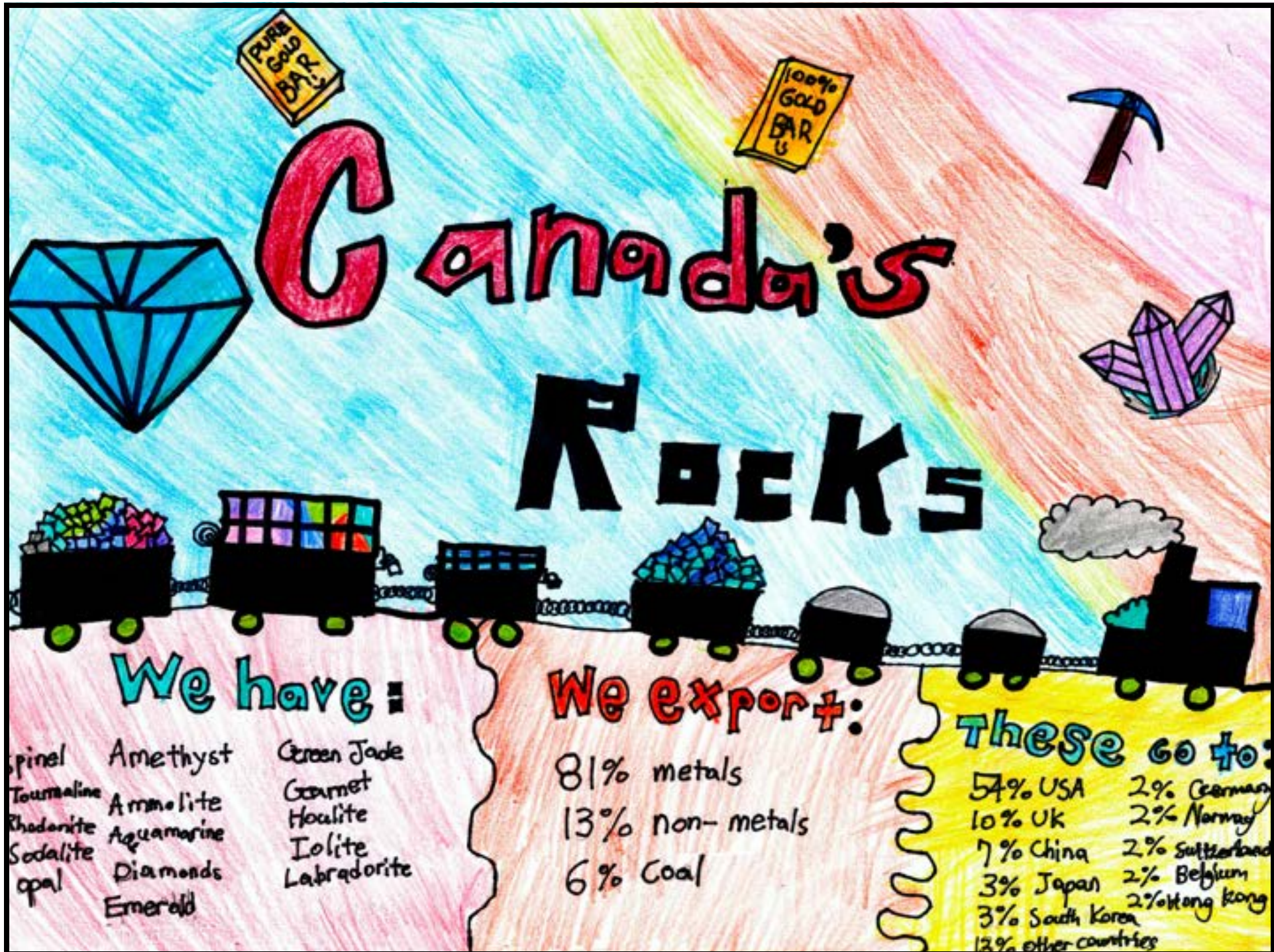
- acid mine drainage
- Heavy metal contamination
- Sediment and erosion
- Processing chemicals pollution

The first copper mining was in Bruce mines











JUNE 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 <small>Minerals North</small>	2 <small>Minerals North</small>	3 ○
4	5 <small>World Environment Day</small>	6	7	8 <small>World Oceans Day</small>	9	10 ●
11	12	13	14	15	16	17
18 ● <small>Father's Day</small>	19	20	21 <small>Summer Solstice National Indigenous People's Day</small>	22	23	24
25	26 ●	27	28	29	30 <small>International Asteroid Day</small>	




JULY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Canada Day
2	3 	4	5	6	7	8
9 	10	11	12	13	14	15
16	17 	18	19	20 International Moon Day	21	22
23	24	25 	26	27	28	29
30	31					



AUGUST 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 	2	3	4	5
6	7 B.C. Day	8 	9 International Day of the World's Indigenous People	10	11	12 Perseids Meteor Shower International Youth Day
13	14	15	16 	17	18	19
20	21	22	23	24 	25	26
27	28	29	30 	31		

Gases and dust particles from the volcano damages Earth's atmosphere

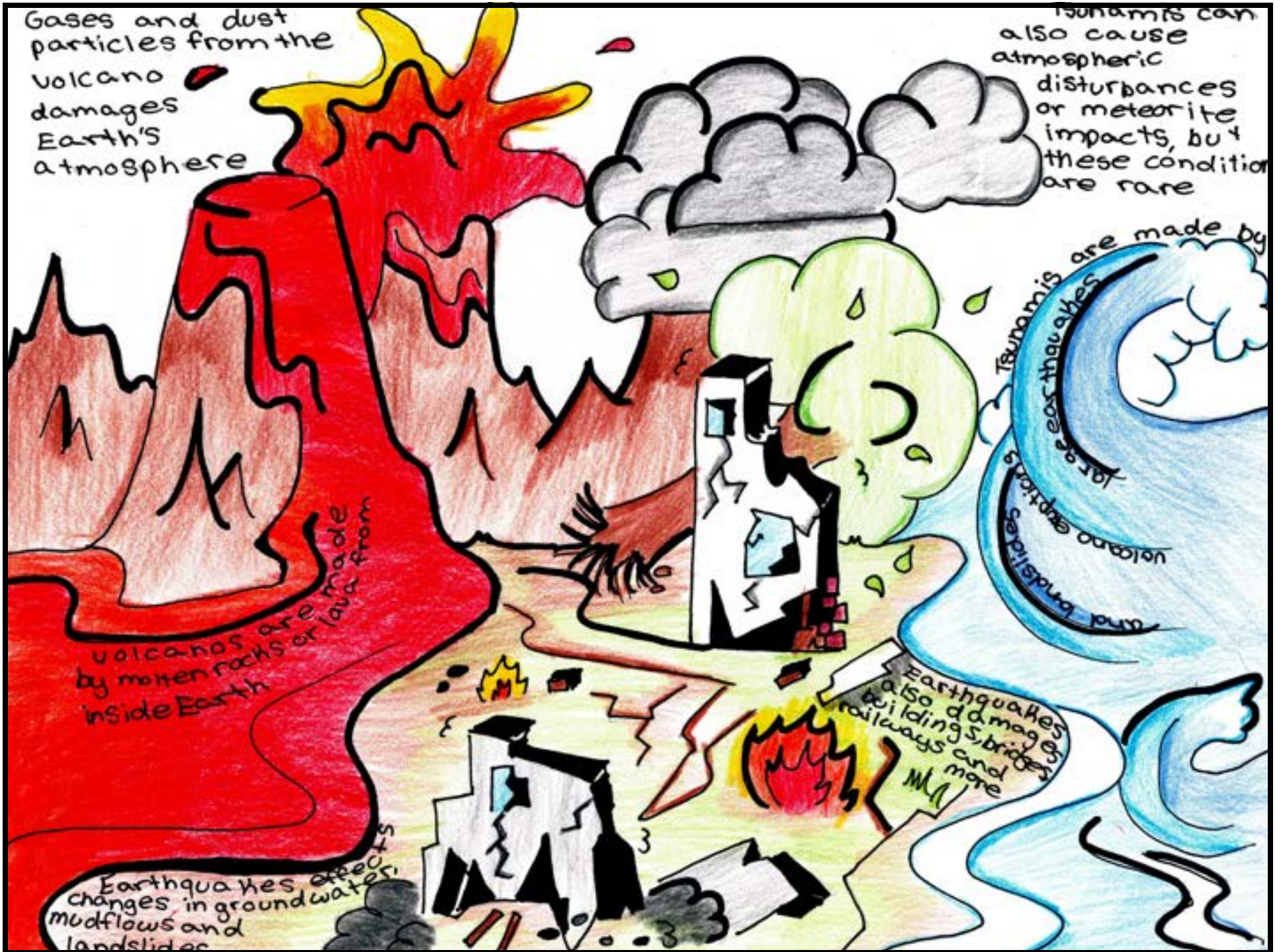
Tsunamis can also cause atmospheric disturbances or meteorite impacts, but these conditions are rare

Tsunamis are made by volcanic eruptions and earthquakes


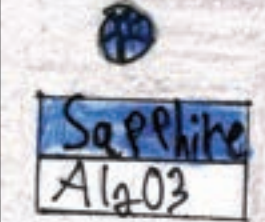


Volcanos are made from molten rocks or lava from inside Earth

Earthquakes effect changes in groundwater, mudflows and landslides

Earthquakes also damages buildings, bridges, railways and more



SEPTEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	
3	4 Labour Day	5	6	7	8	9
10	11	12	13	14	15	16
17	18 Science Literacy Week (September 18-24)	19	20	21	22 Autumn Equinox	23
24	25	26	27	28	29	30 National Day for Truth and Reconciliation



Electrical wiring.
Copper metal refined
mineral chalcopyrite
Small amounts
of precious
metals
from minerals

Shingles:
feldspar,
quartz

Bricks: clay, minerals

Cement:
a mix of
calcite,
clay, gypsum

Glass window:
calcite, feldspar,
trona, quartz

Counter tops:
mineral-
containing
rocks, as
marble
and granite


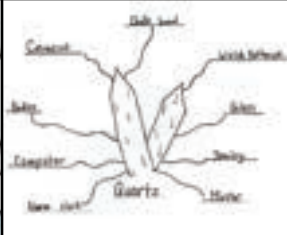


Laundry detergent:
borax, a type of
cleaner, made
from the mineral
kernite.

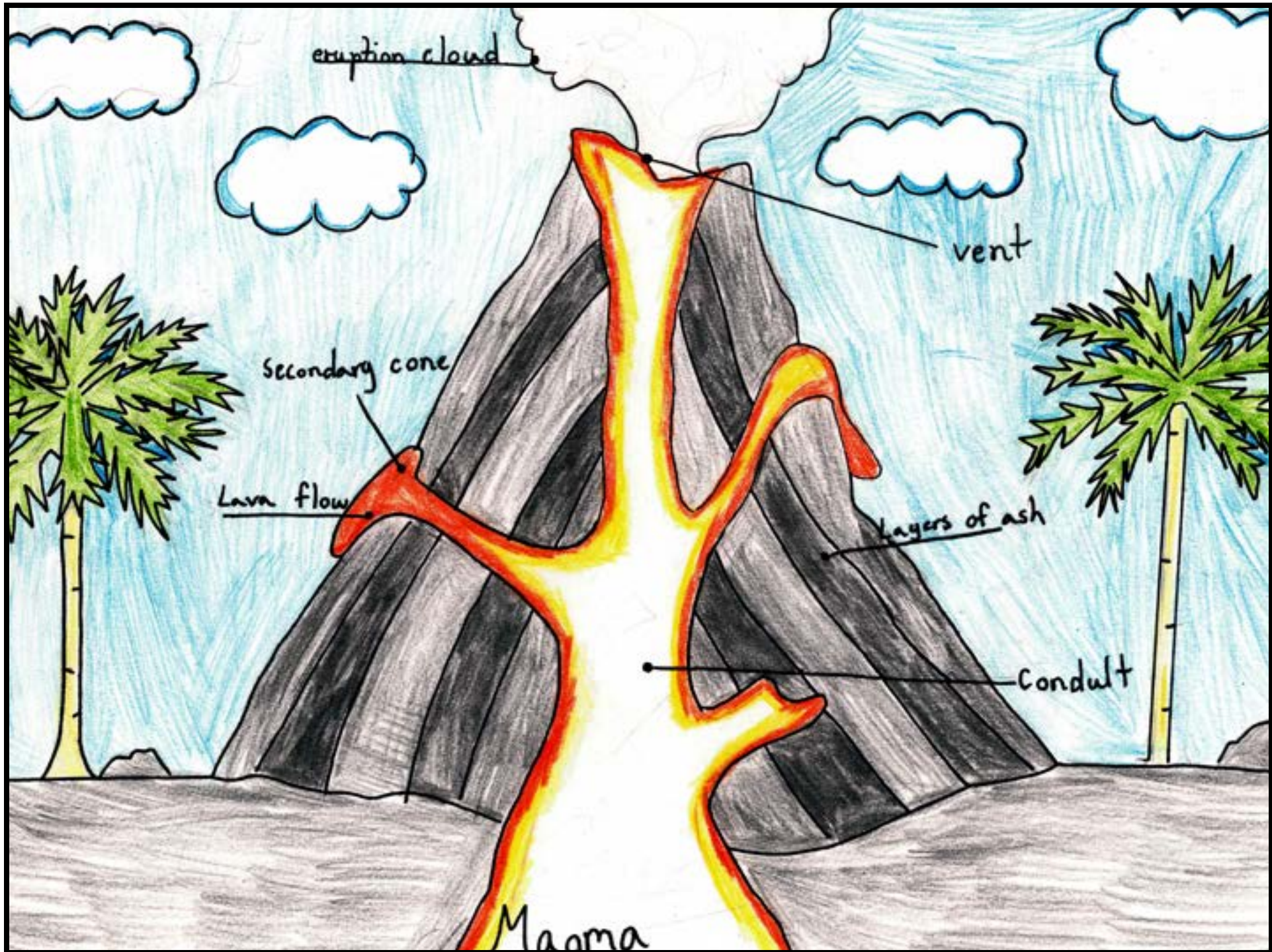
Appliances:
Iron refined
from minerals
hematite and
magnetite.

Pans: iron from
the minerals
hematite
and magnetite








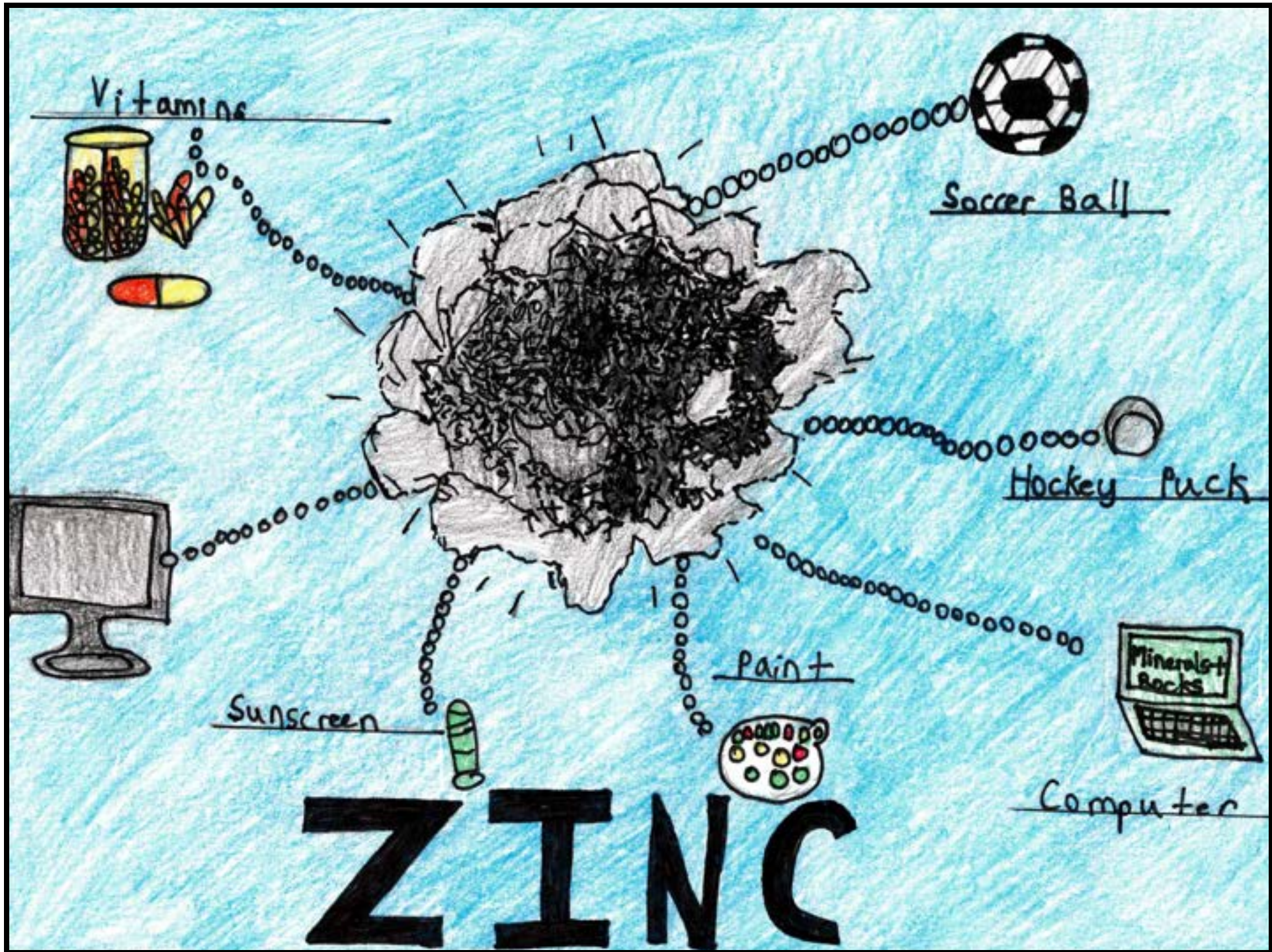
OCTOBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5 World Teachers' Day	6 International Geodiversity Day	7
8 Earth Science Week (October 9-15)	9 Thanksgiving	10	11	12	13 International Day for Disaster Reduction	14
15	16	17	18	19 International ShakeOut Day	20 BC Provincial Pro-D Day	21
22	23	24	25	26	27	28
29	30	31 Halloween				





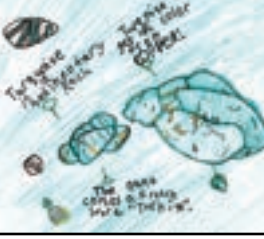





NOVEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4 World Science Day for Peace and Development
5 World Tsunami Awareness Day Daylight Savings Ends	6	7	8	9	10	11 Remembrance Day
12 Diwali	13	14	15	16	17	18 Leonids Meteor Shower
19	20	21	22	23	24	25
26	27	28	29	30		



DECEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5  World Soil Day	6	7	8	9
10	11 International Mountain Day	12 	13	14	15	16
17	18	19 	20	21 Winter Solstice	22	23
24 Christmas Eve	25 Christmas Day	26 Boxing Day	27	28	29	30
31 New Year's Eve						



JANUARY 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 New Year's Day	2	3 	4	5	6
7	8	9	10	11 	12	13
14	15	16	17 	18	19	20
21	22	23	24 International Day of Education	25 	26	27
28	29	30	31			



Our mission is to support BC teachers and their students with relevant, comprehensive Earth science and mining educational resources and learning opportunities.

T: 604-682-5477
F: 604-682-5477

1230 - 605 Robson St.
Vancouver, BC V6B 5J3

MineralsEd.ca
info@MineralsEd.ca