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Project Title: Volcanoes

YouTube Link: \_\_\_\_\_

Short Explanation of Project: We made a

model volcano because

we thought they are

very cool and interesting.

Do you have a signed photo release form for each student?

Yes

No



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# Introduction

Why we chose this project...

What we hope to learn...

What is the problem/objective...

We want to learn about volcanoes. They are very very interesting and cool. How do volcanoes turn from active to extinct? We hope to learn about volcanoes. We hope you learn about volcanoes too.

①

# Main Information

What we found out about our chosen topic.

Volcanoes erupt when molten rock called magma rises to the surface. On land, volcanoes form when the tectonic plate moves under one another. A volcano is a mountain that opens downward to a pool of molten rock below the surface of the earth. When pressure builds up eruptions occur. Gases and rock shoot up through the

②

erupting and spill over  
or fill the air with  
lava fragments. Eruptions can  
cause lateral blasts, lava  
flows, hot ash flows, mudslides,  
avalanches, falling ash and  
floods. Volcano eruptions have  
been known to knock  
down entire forests. An  
erupting volcano can  
trigger tsunamis, flash floods,  
earthquakes, mud flows and  
rock falls. There are more  
than 1500 active volcanoes  
on the earth. We currently  
know of 30 or more.

(3)

which are under  
the oceans. Active volcanoes  
in the U.S. are found  
mainly in Hawaii, Alaska,  
California, Oregon and Washing-  
ton. Volcanoes are grouped  
into four types: cinder  
cones, composite volcanoes, shield  
volcanoes and lava volcanoes.

# Experimental Methods

Research Question:

can we make a  
model volcano?

Prediction/Hypothesis:

We think the volcano  
is going to erupt a  
small bit.

Materials used:

Plastic bottle, newspaper, cardboard box,  
Paint, wall paper, paste, tape.



### Procedure:

First we cut out a box. We cut a small hole in the bottom for a bottle to fit in. Next we filled it with newspaper like a mountain. After that we taped it up. When we were done that we paper-mached it. We waited for it to dry and then we painted it.

### Observations:

It only erupted a small bit. But we think we will add soap the next time.

⑥

# Conclusions

What we learned.

The key discoveries that we made.

What we enjoyed most while doing the project.

What we found most challenging.

What we would do differently if we were to begin again.

We have learned how volcanoes form and how they erupt also how they turn dormant to extinct.

Are key discoveries are how many volcanoes are in the world and the biggest volcano and smallest volcano in the world.

we enjoyed painting  
the most. We found  
stacking the newspaper  
into its shape was  
the most challenging. We  
would use a bigger box  
next time.

Conclusion:

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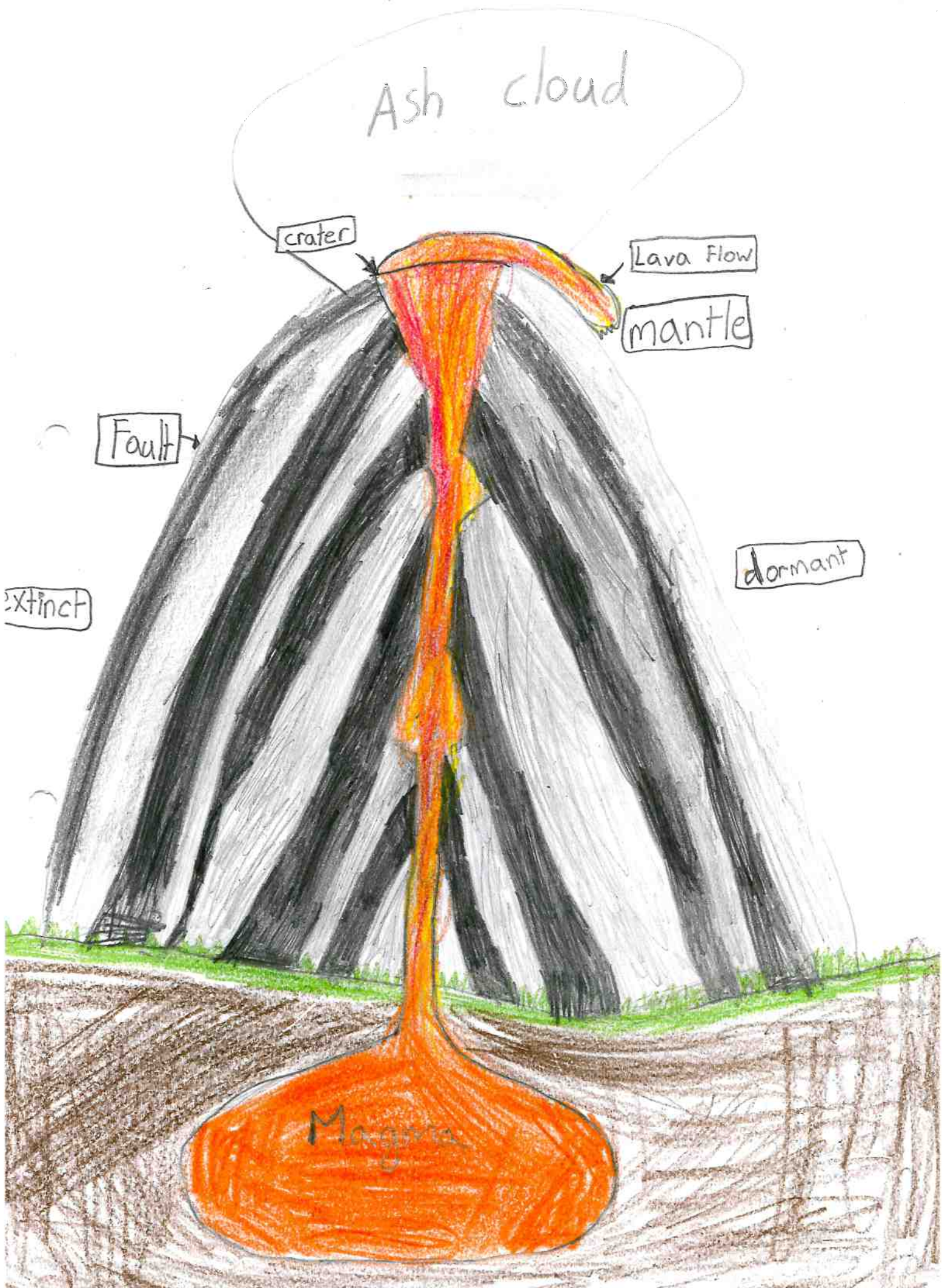
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Diagram(s):







Ash cloud

crater

Lava Flow

mantle

Fault

dormant

extinct

Magma

# Acknowledgements

Support we received with our project...

• M. Colin

• M. Cathal

• Parents

• Lexi

• Josh

• Zack

• Juana

# References

Books, websites, articles or other references that helped us with our project.

• Red.Ted.Art

• how-things-work-science-projects.com

• Youtube.com

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