

# Geology Rocks

By: Ron Fink and John Heath

Bad Wolf Press

Professor Rock	Volcano #1	Fern #1	Miner #1	Snow White
Rosie	Volcano #2	Fern #2	Miner #2	Prince
Jenn	Volcano #3	Fern #3	Miner #3	Mountain #1
Sam	Earth	Fern #4	Miner #4	Mountain #2
Holmes	Igneous Rock	Valley	Miner #5	Mountain #3
Watson	Sedimentary Rock	Sea Shore	Miner #6	Pieces of Beard
	Metamorphic Rock	Canyon	Miner #7	1, 2, 3, 4
	Socks	Guitar Slider		

Sam: Let's face it! Our Geology teacher, Professor Rock is missing!

## SONG #1 – “Professor Rock Has Disappeared”

Rosie: What are we going to do Sam?

Sam: I don't know, Rosie.

Rosie: Jenn, where do you think Professor Rock is?

Jenn. Beats me? Professor Rock's disappearance is a complete mystery.

Holmes: A mystery you say? Then we've come to the right place.

Sam: Who are you?

Watson: Excuse us. Holmes likes **dramatic** entrances.

Jenn: Holmes? You mean, Sherlock Holmes?

Holmes: Precisely! That's me! Dr. Watson and I have come to solve the mystery of your missing rock.

Sam: It's not a rock, but a person, our Professor Rock.

Jenn: Can you really help us?

Rosie: We've got to start searching right away!

## SONG #2 – “Geologic Time”

Holmes: Come along, Watson. We must find that rock.

Watson: Splendid Holmes!

Holmes: We'll start by interviewing some pebbles I spotted in the driveway.

Watson: Yes. They **did** look suspicious.

Sam: I don't think they're going to be much help.

Rosie: No. We'll have to find Professor Rock on our own.

Jenn: Professor Rock has been working near some volcanoes, maybe we should go talk to them.

Sam: Great idea!

Jenn: There they are!

Rosie: Hello, volcanoes. Have you seen Professor Rock?

Volcano #1: He was here just a few days ago, checking up on us.

Volcano #2: We haven't been feeling well.

Sam: Yeah. Yeah. You don't look so hot.

Volcano #3: Oh no, we're **TOO** hot. That's the problem.

## SONG #3 – “I Ain’t Well”

Jenn: Wow! That must be some fever if it's hot enough to melt rock.

Earth: That's **nothin'**, baby. I'm scorching twelve thousand degrees down to my core.

Sam: Who said that?

Earth: I did, honey. I'm Earth.

Rosie: But, how'd you get so hot?

Jenn: Yeah! I thought you were just continents and water.

Earth: Isn't that typical?! My core burns from four thousand miles below.

Sam: Sorry. Our mistake.

Earth: You've gotta look below the surface.

## SONG #4 – “I Am Deep”

- Rosie: Wow! I never knew the earth was so extraordinary!
- Jenn: Hey, Earth! Have you seen Professor Rock?
- Earth: You mean some funny dude, with a beard, who talks to volcanoes?
- Sam: **YES!** That's him.
- Earth: I saw him yesterday hanging with some Ferns.
- Rosie: **Great!!**
- Earth: I don't trust Ferns. There's something *shady* about them.
- Jenn: Come on. Let's go talk to those Ferns.
- Holmes: I think we're onto something Watson!  
**WAIT! STOP! DON'T MOVE!**
- Watson: What is it? A clue?
- Holmes: No, I've got sand in my shorts and it's killing me.
- Sam: Um, excuse me Mr. Holmes, have you found anything yet?
- Holmes: I'm afraid your rock hasn't shown up yet.
- Watson: But we **HAVE** found some gravel, a flat tire, and a toaster oven.
- Rosie: **What?!**
- Holmes: Come along Watson. There's a rock to find!

Jenn: Well that was weird. Let's go talk to those Ferns.

Sam: **There they are!**

Rosie: Hi. We were hoping you'd seen our teacher, Professor Rock.

Fern #1: Who?

Fern #2 Professor Rock?

Fern #3: I don't know what you're talking about.

Fern #4 The name doesn't sound familiar.

Fern #1 Never heard of him before.

Fern #2: Nope.

Fern #3 Me Neither.

Fern #4 I'm just a fern.

ALL FERNS: Yep, Just a fern. Just a **fern . . . . fern . . . .fern.**

Rosie: Hey, look over here.

Jenn: Those look just like Professor Rock's glasses.

Sam: Yeah, they do.

Rosie: Are you sure you haven't seen Professor Rock?

Fern #1: What, those glasses? They belong to, uh, me. That's right. They're mine.

Jenn: Really? Since when do ferns need glasses?

Fern #2: Well, uh, we need glasses to . . . read the newspaper.

Fern #3: Yeah, that's right. We read the newspaper!

Fern #4: Yeah, we're interested in reading about the energy crisis.

Fern #1: We've got a plan for solving it.

Fern #2: We're gonna become fossil fuel!

Rosie: What?

Fern #3: Yeah. We're just waiting here to decompose,

Fern #4 sink down into the earth,

Fern #1 and turn into fossil fuel.

Fern #2: Eventually, we'll become natural gas, oil, and coal.

Fern #3: It's going to happen you know?!

ALL FERNS: We can't wait!

## SONG #5 – “Oh to Be A Fossil Fuel”

Jenn: You all seem **very** suspicious.

Sam: Are you **sure** you haven't seen Professor Rock?

Rosie: We're running out of places to look.

Fern #4: Why don't you check out those little miners.

Fern #1: Yeah, those little guys are very strange.

Fern #2: If Professor Rock . . .

ALL FERNS: Whoever **that** is . . .

Fern #3: . . . ran into those miners while they were digging, he could be in big trouble.

Jenn: Well, where do these miners live?

Fern #3: **WAY** up there in the mountains.

Sam: You know. Those ferns were acting pretty weird.

Jenn: Hey! Who's this?

Sea Shore: Hello. I'm the Sea Shore

Canyon: I'm the canyon

Valley: And I'm Valley. It's like, totally awesome to meet you!

Rosie: We're trying to find our Professor Rock, he's missing. Have you seen him?

Sea Shore: **OOOOH**. Maybe he eroded!

Sam: Eroded?

Canyon: Yeah, sand and water wore us down over a **long** period of time.

Valley: Like for **SURE!** I mean, **HELLOOOO!**

Sea Shore: Here she goes again . . .

Valley: I was like sitting for **SO** long - - BORING - - and then this **MEGA** huge glacier came and now I'm like a total babe.

ALL: We **LOVE** erosion.

## SONG #6 – “Erosion”

Jenn: Come on. Let's continue to head for the mountains.

Holmes: The search is over!

Watson: Brilliant Holmes!

Holmes: I have found your missing rock!

Rosie: Where?

Holmes: Right in front of your face.

Mountain #1: Me? A rock? Well, I **AM** made of rock, but technically, I'm a mountain.

Holmes: Ah ha! Just as I thought! Come on Watson, we're finished here.

Jenn: **HEY WAIT!**

Holmes: No need to thank us. We told you we'd find your rock!

Rosie: I'm confused. But, at least we made it to the mountains.

Sam: Maybe now we can **finally** find the Professor.

Jenn: Wait a minute. Where'd that other mountain come from?

Mountain #2: Hi there. I've been growing here for quite a while.

Rosie: Grow? Mountains grow?

Mountain #3: Of course! The earth's crust is made up of gigantic plates

Mountain #1: These plates float and move on the mantle.

Mountain #2: The plates also carry the continents on their backs.

Mountain #3: They're called continental plates.

Mountain #1: And when two continental plates bump into each other . . .

Mountain #2: They squish together and make mountains.

Mountain #3: Like, **US!**

Mountain #1: The earth is moving all the time!

## **SONG #7 – “Love them Plates”**

Jenn: Come on, we've got to find those miners.

Sam: Who's that?

Snow White: You know, it's rude to point.

Sam: Oh. Sorry.

Rosie: We don't mean to be rude, but have you seen any miners around here?

Show White: Not recently, I'm afraid.

Jenn: So, they used to be here?

Sam: How long ago?

Rosie: We are hoping they can help us find our Professor.

Snow White: Oh my, a long time ago. Seven of the cutest little miners you've ever seen!

Jenn: So, who are you anyway? I didn't catch your name.

Snow White: I'm Snow White

Sam: Snow White? You mean THE Snow White?

Rosie: The one with the wicked step-mother, the apple and . . .

Snow White: And the seven miners!

Jenn: Do they still have those silly names?

Sam: What were they? Slappy? Cheezy?

Rosie: Yeah, that's right. There was Frumpy, Icky, and . . .

Snow White: Oh no, I changed their names to Herb.

Jenn: All of them?

Snow White: Yeah, they all look alike, so it was easy to remember.

Sam: So, they're not here?

Snow White: No. All my little Herbs gave up mining a long time ago.

## **SONG #8 – “Seven Little Miners”**

Rosie: Now what?

Jenn                    We are stuck in the mountains and Professor Rock isn't here.

Sam:                    I want to talk to those Ferns again!

Rosie:                   Me too! I didn't believe a word they said.

Jenn:                    Do you think they did something to Professor Rock?

Sam:                    It's a possibility!

Rosie                    We've got to get back to those shady Ferns and fast!

Jenn:                    But it's a **LONG** way down the mountain!

Igneous:                Excuse me, but perhaps we can help.

Sam:                    Thanks, but I don't think so.

Sedimentary:           Why not?

Rosie:                   Well, mostly because you're **ROCKS**.

Metamorphic:        **SO?!**

Jenn:                    Sooooooooooooo?! We need to get down this mountain as fast as possible

Sam                    Yeah! You rocks just sit there all day.

Igneous:                Outrageous!

Sedimentary:           Preposterous!

Metamorphic:        Why, I've never been so insulted!

Igneous:                You've clearly never heard of the rock cycle.

Rosie: The rock cycle?

Sedimentary: We rocks are always changing and moving.

Igneous: Yeah, molten rock cools and becomes igneous rock. Like me!

Jenn Oh, Wow!

Igneous: Then, erosion and weathering chips away pieces that end up in bodies of water.

Sedimentary: These pieces form layers of sediment.

Sam: Then what?

Sedimentary They're compressed and squeezed to make Sedimentary rock. Like me!

Metamorphic: Sedimentary rock gets buried deep in the Earth. Heat and pressure make it harder and heavier. Then, I emerge as metamorphic rock!!

Igneous: And finally, metamorphic rock gets heated and mixed in the earth and comes back as **ME** once again. It's a cycle. Get it?

Rosie: You mean it's a predictable pattern?!

Jenn: Like we discussed in our NGSS crosscutting lessons at school?

ALL ROCK: **Exactly!**

Sam: But, how can you help us get down the mountain?

ALL ROCKS: **Haven't you been listening?!**

Sedimentary: We're always on the move.

Metamorphic: Just hop on the rock cycle!

## SONG #9 – “Rock Cycle”

Rosie: Thanks for the ride.

Jenn: Now, where are those Ferns?

Sam: There they are!

Rosie: What have you done with Professor Rock?!

Fern #1: Professor Rock?

Fern #2: Who’s Professor Rock?

Fern #3: We don’t know any Professor Rock

Rosie, Jenn, Sam: **PROFESSOR ROCK!!!!**

Fern #4: Oh, **THAT** Professor Rock.

Jenn: Are you okay?

Professor Rock: Jenn! Rosie! Sam! It’s so good to see you!

Sam: What happened?

Professor Rock: I was doing research on geo-thermal energy and these ferns kidnapped me!

ALL FERNS: Ha! You don’t believe **THAT**? Well, do you?

Rosie: What’s geo-thermal energy?

Professor Rock: Geothermal energy comes from using the hot water and steam that's inside the Earth

Jenn: Oh! That's right . . . It's clean, renewable, and efficient.

Sam: So it's a type of renewable energy?

Professor Rock: Correct. The Earth keeps making heat, so we can use it over and over without running out.

Rosie: But, why would the ferns kidnap you?

Professor Rock: The Ferns feared people would stop using fossil fuels if people switched to different fuels.

ALL FERNS: Oh, to be a fossil fuel, you know that would be cool . . .

Jenn: You've been very bad ferns!

Sam: Bad ferns! Don't you have something to say to the Professor?

ALL FERNS: We're sorry for kidnapping you, Professor Rock.

Rosie: Oh. Professor Rock!

Jenn: I'm so glad you're okay!

Sam: We learned so much about geology today!

Professor Rock: I can't wait to hug my seismograph.

## **SONG #10 – Professor Rock Has Re-Appeared**