

CROSS-SECTION VOLCANO

Here's what we used...

SCENEARAMA® Items

- Mountain Diorama Kit
- Small Project Base & Backdrop

Household Items

- Cardstock, 3" x 5"
- Cotton Ball
- Craft Paints & Brushes
- Cutting Surface
- Disposable Cup
- Hobby Knife
- Masking Tape
- Measuring Spoons
- Newspaper
- Pan for Water
- Scissors

Did you know?

A volcano erupts when magma (molten rock) rises into the Earth's crust and collects in a space or pocket called a magma chamber. As the magma boils, pressure builds until the magma is pushed toward the surface. Magma breaks the surface via vent pipes.

Fun Fact!

The world's most active volcano, Kilauea (pronounced kill-O-ey-ah), is located on the big island of Hawaii. It has erupted almost continuously since 1983.



1



i Rock Castings

- Mix and use *Casting Plaster* per Basic Use instructions.
- Pour into *Rock Mold*, let set for 30-40 minutes.

2

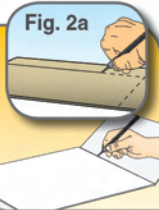


Fig. 2a

- Using a hobby knife, cut one side off the *Backdrop*. (Fig. 2a)
- Make a cardboard pad by cutting a cardboard *Side Panel* 10 3/8" x 7 1/8". (Fig. 2a)

3



Fig. 3a

- Cut *Backdrop* material into panel for cross-section area.
- Score down the center of panel.
- Attach to cardboard pad with masking tape. (Fig. 3a)

4



i Newspaper Wads

- Arrange newspaper wads behind panel on cardboard pad into desired terrain shape.
- Tape newspaper wads to hold in place.
- Newspaper wads must not protrude over cardboard pad.

5

Fig. 5a



i Plaster Cloth and Edging

- Cover newspaper wads and cardboard pad with wet *Plaster Cloth* (3" strips), bumpy side up.
- Overlap edges of cardboard pad by 1/2". (Fig. 5a)

6



- While *Plaster Cloth* is damp, test fit on *Project Base* with *Backdrop* in grooves.
- If it interferes with *Backdrop*, make adjustments.
- Remove from *Project Base*.

7



i Attach and Blend Rocks

- Attach rock castings in desired locations while *Plaster Cloth* is still damp.
 - Let dry.
- NOTE:** Do not drip glue or plaster on rock face.

8



- Hold *Volcano Tube* in place.

- Set small, wet wads of *Plaster Cloth* around base of *Volcano Tube*.
- Stack wads until approx. 3/8" high.
- Let dry, then remove *Tube*.

9



i Leopard Spot (pg. 160)

- Dilute *Rock Colors*.
- Paint rock castings with the Leopard Spot paint technique.

10



i Dilute Earth Undercoat (pg. 171)

- Brush diluted *Earth Undercoat* over entire terrain (avoid rocks).
- Let dry.

NOTE: Save some diluted *Earth Undercoat* for Step 12.

11



- Paint rock layers, magma chamber, vents, fissures and/ or other required information on the cutaway panel.
- Paint *Plaster Cloth* area in front of cutaway panel. Let dry.

12



i Talus (pg. 123-124)

- Pour *Talus* into remaining *Earth Undercoat*.
- Mix with *Stir Stick*.
- Let dry on newspaper.

13



i Foliage Fiber

- Prepare *Foliage Fiber* per Basic Use instructions.

14

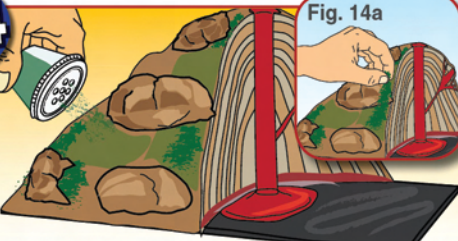


Fig. 14a

i Ground Cover

- Spray diluted *Project Glue* on backside of volcano where you want greenery.
- Sprinkle with *Green Grass* and other *Accents*.
- Use *Project Glue* to attach prepared *Foliage Fiber* where desired. (Fig. 14a)

15



- Use *Project Glue* to attach *Shrubs* and *Talus* where desired.
- Spray ground cover with *Project Glue* to seal.

16



- Pull a cotton ball until very thin and lacy.
- Spray with diluted *Project Glue*. Let dry.
- Dab on black paint. Let dry, then glue in place.

17



- i Project Base & Backdrop**
- Glue cross-section volcano to *Project Base*.
 - Paint as desired.
 - Attach *Backdrop* with *Project Glue*.
 - Design a *Backdrop* that best fits your diorama.
 - Make sure label area faces forward.

18



- i Labels**
- Use cardstock and extra *Backdrop* material to make informational labels.
 - Add signage to front of diorama.
 - Replace *Volcano Tube*.
 - See page 171 for Eruption Mixture.

i See the **A+ PROJECTS & DIORAMAS: The Student's Handbook (SP4171)** for more information.

More Volcanoes!

Get creative! Design your own unique Volcano project.



A+ Ideas!