

Achievement Checklist

To keep track of your achievements as you complete them, put a checkmark in the boxes next to each activity. To earn a badge, you should complete at least 3 activities for each category and then have your leader send a signed notice to the AFMS Juniors Activities Chair. To earn the Rockhound badge, you need to earn at least 6 of the 15 badges.

1. Rocks & Minerals

Date badge earned: _____

- ☐ 1.1 Learning the characteristics of minerals.
- ☐ 1.2 Making and using a mineral ID kit.
- ☐ 1.3 Building a mineral collection.
- ☐ 1.4 The three rock types.
- ☐ 1.5 Crystal shapes.
- ☐ 1.6 Growing crystals.
- ☐ 1.7 State rocks, minerals, and gemstones.

2. Earth Resources

Date badge earned: _____

- ☐ 2.1 Everyday uses of rocks and minerals.
- ☐ 2.2 Minerals in the home.
- ☐ 2.3 Collecting everyday objects and the minerals that went into them.
- ☐ 2.4 Field trip to a mine or quarry.
- ☐ 2.5 Field trip to a hardware store.
- ☐ 2.6 Careers in the earth sciences.

3. Fossils

Date badge earned: _____

- ☐ 3.1 The geological time chart.
- ☐ 3.2 Types of fossilization and making a fossil.
- ☐ 3.3 The forms of life.
- ☐ 3.4 Collecting fossils.
- ☐ 3.5 A fossil-collecting field trip.
- ☐ 3.6 Your state fossil.
- ☐ 3.7 Dinosaurs.

4. Lapidary Arts

Date badge earned: _____

- ☐ 4.1 Learning about lapidary rocks.
- ☐ 4.2 Choosing a lapidary project.
- ☐ 4.3 *Workshop safety and maintenance* (required to earn this badge).
- ☐ 4.4 *Completing a lapidary project* (required to earn this badge).
- ☐ 4.5 Sharing your lapidary project.

5. Collecting

Date badge earned: _____

- ☐ 5.1 Building a collection.
- ☐ 5.2 Cataloging and labeling your collection.
- ☐ 5.3 Storing a collection.
- ☐ 5.4 Displaying your collection.
- ☐ 5.5 Reporting about your collection.

- 6. Showmanship**

Date badge earned:_____

☐ 6.1 Techniques for effective displays.
☐ 6.2 Holding a workshop on display ideas.
☐ 6.3 Observing and evaluating displays.
☐ 6.4 *Making your own public display* (required to earn this badge).
☐ 6.5 Entering competition.

- 7. Communication**

Date badge earned:_____

☐ 7.1 Oral report.
☐ 7.2 Written report or newsletter article.
☐ 7.3 Bulletin board display.
☐ 7.4 Corresponding with experts.
☐ 7.5 Holding a symposium.
☐ 7.6 Writing a field trip guide.

- 8. Field Trips**

Date badge earned:_____

☐ 8.1 * Field trip etiquette and AFMS Code of Ethics* (required to earn this badge).
☐ 8.2 Field trip planning.
☐ 8.3 *Taking a field trip* (required to earn this badge).
☐ 8.4 Record keeping.
☐ 8.5 The indoor field trip.

- 9. Leadership**

Date badge earned:_____

☐ 9.1 Becoming a youth officer.
☐ 9.2 Organizing a group display.
☐ 9.3 Leading a show-and-tell session or presentation.
☐ 9.4 Planning and leading a field trip.
☐ 9.5 Overseeing a newsletter column or an entire youth newsletter.
☐ 9.6 Managing a youth activity booth at a local gem show.
☐ 9.7 Mentoring.

- 10. Earth Processes**

Date badge earned:_____

☐ 10.1 What is a rock?
☐ 10.2 Plate tectonics and the rock cycle.
☐ 10.3 Igneous rocks.
☐ 10.4 Sedimentary rocks.
☐ 10.5 Metamorphic rocks.

- 11. Earth in Space**

Date badge earned:_____

☐ 11.1 Modeling the solar system.
☐ 11.2 Learning about visitors from space.
☐ 11.3 Effects of meteorites and famous craters.
☐ 11.4 Collecting meteorites and tektites.
☐ 11.5 Collecting meteorite dust.

12. Gold Panning & Prospecting

Date badge earned: _____

- ☐ 12.1 Gold as a mineral.
- ☐ 12.2 Uses of gold.
- ☐ 12.3 Gold throughout history.
- ☐ 12.4 Gold resources in your own state or region.
- ☐ 12.5 Field trip to a gold mine.
- ☐ 12.6 Panning for gold.

13. Gemstone Lore & Legend

Date badge earned: _____

- ☐ 13.1 Anniversary stones.
- ☐ 13.2 Birthstones and the Zodiac.
- ☐ 13.3 Fabled gemstones.
- ☐ 13.4 Gems in religion.
- ☐ 13.5 Mysticism and minerals.

14. Stone Age Tools & Art

Date badge earned: _____

- ☐ 14.1 Rocks and minerals used as tools.
- ☐ 14.2 Making stone tools.
- ☐ 14.3 Making stone tools and art from clay.
- ☐ 14.4 Making rock art.
- ☐ 14.5 Recording and interpreting rock art.
- ☐ 14.6 Visiting a museum or Native American cultural center.

15. Rocking on the Computer

Date badge earned: _____

- ☐ 15.1 Exploring the web.
- ☐ 15.2 Reporting on favorite web sites.
- ☐ 15.3 Making presentations with the computer.
- ☐ 15.4 Cataloging your collection electronically.
- ☐ 15.5 Maps and GPS to find your way.

To earn your Rockhound badge, you need to earn 6 or more of the 15 badges. Check off the activities you've completed. When you have earned 6 or more badges, sign below and have your FRA leader sign and forward this sheet to the AFMS Juniors Activities chair to receive your Rockhound badge.

Date completed_____
My signature_____
Youth leader's signature_____
Name of my club_____
Youth Leader's preferred mailing address
for receiving the badge:

