Achievement Checklist

To keep track of your achievements, 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. You become a "Rockhound" after earning 6 badges and a "Rock Star" if earning all 20!

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 and making geodes.	
□ 1.7 State rocks, minerals, and gemstones.	
□ 1.8 The elements.	
□ 1.9 Name that mineral!	
□ 1.10 WILD CARD: Do your own thing!	
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 minera	als 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.	
□ 2.7 WILD CARD: Do your own thing!	
3. Fossils	Date badge earned:
□ 3.1 The geological time chart.	
□ 3.2 Types of fossilization and making or excav	rating fossils.
\square 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.	
□ 3.8 Fossil and dinosaur names.	
□ 3.9 WILD CARD: Do your own thing!	
4. Lapidary Arts	Date badge earned:
□ 4.1 Learning about lapidary rocks.	
- · · · · · · · · · · · · · · · · · · ·	
□ 4.2 Choosing a lapidary project.	
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Date badge earned:
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Date badge earned:
Date badge earned:de of Ethics* (required to earn this badge). s badge).
Date badge earned:ntation. tire youth newsletter. Il gem show.

□ 9.10 Citizenship and civic engagement □ 9.11 WILD CARD: Do your own thing!	
 10. Earth Processes □ 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. □ 10.6 Making 3D models of geologic features relatered to 10.7 Earthquakes. □ 10.8 WILD CARD: Do your own thing! 	Date badge earned:ted to plate tectonics.
 11. Earth in Space □ 11.1 Modeling the solar system. □ 11.2 Learning about visitors from space. □ 11.3 Effects of meteorites and famous craters. □ 11.4 More fun measuring impact cratering. □ 11.5 Collecting meteorites and tektites. □ 11.6 Collecting meteorite dust. □ 11.7 WILD CARD: Do your own thing! 	Date badge earned:
12. Gold Panning & Prospecting □ 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. □ 12.7 Metal detecting for gold, coins, and other art □ 12.8 WILD CARD: Do your own thing!	Date badge earned:
13. Gemstone Lore & Legend □ 13.1 Anniversary stones. □ 13.2 Birthstones and the Zodiac. □ 13.3 Fabled gemstones. □ 13.4 Gems in religion. □ 13.5 Mysticism and minerals. □ 13.6 WILD CARD: Do your own thing!	Date badge earned:
 14. Stone Age Tools & Art □ 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. 	Date badge earned:

□ 14.6 Visiting a museum or Native American of	cultural center.
□ 14.7 WILD CARD: Do your own thing!	
15. Rocking on the Computer	Date badge earned:
□ 15.1 *Exploring the web safely and securely*	
□ 15.2 Reporting on favorite websites.	\ 1
□ 15.3 Making presentations with the computer	
□ 15.4 Cataloging your collection electronically	
□ 15.5 Maps and GPS to find your way.	
□ 15.6 Joining an online community and holdin	g online meetings.
□ 15.7 WILD CARD: Do your own thing!	-
16. The World in Miniature	Data hadaa aamada
□ 16.1 Collecting, preparing, and storing miniat	Date badge earned:
□ 16.2 Collecting, preparing, and storing thumb	
□ 16.3 Collecting, preparing, and storing microi	
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□ 16.5 Collecting, preparing, and storing thumb	
□ 16.6 Collecting, preparing, and storing microst	
□ 16.7 Collecting and classifying sand.	
□ 16.8 Drawing or photographing micromineral	s, microfossils, or sand.
□ 16.9 WILD CARD: Do your own thing!	,
45 0 4 1 7200	
17. Special Effects	Date badge earned:
□ 17.1 Magnetism.	Date badge earned:
□ 17.1 Magnetism. □ 17.2 Triboluminescence.	Date badge earned:
 □ 17.1 Magnetism. □ 17.2 Triboluminescence. □ 17.3 Birefringence, or double refraction. 	Date badge earned:
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19. Reaching Across Generation	Date badge earned:		
□ 19.1 *Spending six hours with a seni	or member* (required to earn this badge).		
□ 19.2 Five things you learned from a s			
19.3 The best time you spent with your senior member.			
□ 19.4 Finding, taking, or drawing a pi	19.4 Finding, taking, or drawing a picture of your senior member.		
□ 19.5 A specimen that is special to yo	ur senior member.		
□ 19.6 Making a memory box.			
□ 19.7 WILD CARD: Do your own th	ing!		
20. Maps	Date badge earned:		
□ 20.1 Learning about the different sor	ts of maps and how to read them.		
□ 20.2 Sources of paper maps.	-		
□ 20.3 Making maps.			
□ 20.4 Navigating the Earth's magnetic	e field and a compass.		
□ 20.4 Using GPS and geocaching.			
□ 20.6 Maps on the Web.			
□ 20.7 WILD CARD: Do your own th	ing!		
receive your Rockhound badge.	d this sheet to the AFMS Juniors Program chair to adges, you should forward the completed sheets to Rock Star."		
	Date completed		
My signature	Youth leader's signature		
Chicago Rocks and Minerals	Society		
Name of my club			
•	Youth Leader's address for receiving the		
	Rockhound badge or Rock Star pin:		