

# FSR 2024 Summer Camp Prerequisites

HandiCraft	
Woodcarving	2a - Earn the Totin' Chip *Additional Trading Post supply fee
Leatherwork	*Additional Trading Post supply fee
Fingerprinting	-
Photography	-
Basketry	*Additional Trading Post supply fee
Art	<p>4 - Render a subject of your choice in FOUR of these ways:</p> <ul style="list-style-type: none"> <li>(a) Pen and ink</li> <li>(b) Watercolors</li> <li>(c) Pencil</li> <li>(d) Pastels</li> <li>(e) Oil paints</li> <li>(f) Tempera</li> <li>(g) Acrylics</li> </ul> <p>6 - With your parent's permission and your counselor's approval, visit a museum, art exhibit, art gallery, artists' co-op, or artist's workshop. Find out about the art displayed or created there. Be prepared to discuss.</p> <p>7 - Find out about three career opportunities in art. Pick one and find out the education, training, and experience required for this profession. Be prepared to discuss.</p>
Sculpture	3 - Find out about career opportunities in sculpture. Pick one and find out the education, training, and experience required for this profession. Be prepared to discuss.
Chess	-
Aquatics	
Swimming	2 - Complete the BSA Swimmers test

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Life Saving	2a - Complete the Swimming Merit Badge
Small Boat Sailing	2 - Complete the BSA Swimmers test
Canoeing	2 - Complete the BSA Swimmers test
Kayaking	2 - Complete the BSA Swimmers test
Rowing	2 - Complete the BSA Swimmers test
Stand-Up Paddleboard	Complete the BSA Swimmers test
<b>Econ</b>	
Environmental Science	-
Mammal Study	-
Astronomy	-
Nature	-
Fishing	7 - Obtain and review the regulations affecting game fishing where you live. Explain why they were adopted and what is accomplished by following them.
Soil & Water Conservation	-
Forestry	-
Plant Science	-
Weather	-
<b>Tech</b>	
Radio	-
Space Exploration	8 - Research career opportunities Be prepared to Discuss. *Additional Trading Post supply fee
Communications	5 - Attend a public meeting. Write Report. 8 - Plan event and serve as master of ceremonies 9 - Find out about three careers in communication. Pick one and find out the education, training, and experience required for this profession be prepared to discuss.

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Electricity	2 - Complete an electrical home safety inspection
Engineering	9 - Research career opportunities Be prepared to Discuss.
Programming	1a - View the Personal Safety Awareness "Digital Safety" video 6 - Research career opportunities Be prepared to Discuss. - Current CyberChip
Nuke Science	4 - Complete either 4a or 4b. 4c will be completed at camp to satisfy requirement: a. Build an electroscope. Show how it works. Place a radiation source inside and explain the effect it causes. b. Make a cloud chamber. Show how it can be used to see the tracks caused by radiation. Explain what is happening. 5 - Do ONE of the following; then discuss with your counselor the principles of radiation safety: a. Using a radiation survey meter and a radioactive source, show how the counts per minute change as the source gets closer to or farther from the radiation detector. Place three different materials between the source and the detector, then explain any differences in the measurements per minute. Explain how time, distance, and shielding can reduce an individual's radiation dose. b. Describe how radon is detected in homes. Discuss the steps taken for the long-term and short-term test methods, tell how to interpret the results, and explain when each type of test should be used. Explain the health concern related to radon gas and tell what steps can be taken to reduce radon in buildings. c. Visit a place where X-rays are used. Draw a floor plan of this room. Show where the unit, the unit operator, and the patient would be when the X-ray unit is operated. Explain the precautions taken and the importance

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	<p>of those precautions.</p> <p>8 - Research career opportunities Be prepared to Discuss.</p>
Animation	<p>5- Learn about three career opportunities in animation. Pick one and find out about the education, training, and experience required for this profession. Discuss your findings with your counselor. Explain why this profession might interest you. Be prepared to Discuss.</p>
Digital Technology	<p>5- Do the following:</p> <p>a. Describe at least two different ways data can be transferred through the internet.</p> <p>B. Using an internet search engine (with your parent or guardian's permission), find ideas from at least three different websites about how to conduct a troop court of honor or campfire program. Present the ideas to your counselor, and explain how you used a search engine to find this information.</p> <p>C. Use a web browser to connect to an HTTPS (secure) website (with your parent's permission). Explain to your counselor how to tell whether the site's security certificate can be trusted, and what it means to use this kind of connection.</p> <p>9 - Research career opportunities. Be prepared to Discuss.</p> <p>- Current CyberChip</p>
Robotics	<p>7 - Research career opportunities Be prepared to Discuss.</p>
Chemistry	<p>7 - Do one of the Following Activities: Recommend (b)Using resources found at the library and in periodicals, books, and the internet (with your parent or guardian's permission), learn about two different kinds of work done by chemists, chemical engineers, chemical technicians, or industrial chemists. For each of the four positions, find out the education and training requirements.</p>
Energy	<p>1 - Do the following:</p>

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	<p>a. Find With your parent's permission, use the internet to find a blog, podcast, website, or an article on the use or conservation of energy. Discuss with your counselor what details in the article were interesting to you, the questions it raises, and what ideas it addresses that you do not understand.</p> <p>b. After you have completed requirements 2 through 8, revisit your source for requirement 1a. Explain to your counselor what you have learned in completing the requirements that helps you better understand the article.</p> <p>4ab - Fourteen day energy audit 8 - Research career opportunities Be prepared to Discuss.</p>
Scoutcraft	
Camping	<p>4b - Help a group prepare for a campout 7ab - Prepare for a campout with your patrol 8cd - Prepare a camp menu. Cook these meals for your patrol 9ab - Camp 20 nights and two high adventure choices</p>
Emergency Preparation	<p>1 - Earn First Aid merit badge 2c - Meet with and teach your family 8b - Prepare a personal &amp; family emergency kit</p>
Wild Survival	<p>5 - Put together a personal survival kit and explain how each item in it could be useful.</p>
First Aid	<p>1 - Complete first-aid rank requirements up to first class 5ab - First aid kit and inspection.</p>
Orienteering	-
Pioneering	-
Fire Safety	<p>6 - Conduct a home safety Survey 13 - Research career opportunities Be prepared to Discuss.</p>
Search & Rescue	<p>6a - Show evidence of your interview 10 - Research career opportunities Be prepared to Discuss.</p>

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Signs Signals & Codes	7 - On a Scout outing, lay out a trail for your patrol or troop to follow. Cover at least one mile in distance and use at least six different trail signs and markers. After the Scouts have completed the trail, follow no-trace principles by replacing or returning trail markers to their original locations.
Shooting Sports	
Archery	-
Rifle Shooting	*Additional Trading Post supply fee
Shotgun Shooting	*Additional Trading Post supply fee
High Adventure	
Climbing	*Scout must wear long pants