Survival: The Exhibition

Boy Scout Guide

Produced by Imagine Exhibitions
INTRODUCTION

Learning to stay alive, or even thrive, in extreme environments is one of the greatest thrills for a scout. **SURVIVAL: THE EXHIBITION** offers scouts a safe, immersive, and informative space in which to learn and test new-found survival skills and work toward earning specific badges. Simulating a variety of extreme environments, **SURVIVAL: THE EXHIBITION** combines STEM learning with gaming techniques for a challenging, hands-on exploration of the scientific principles behind key survival tactics.

More than a wilderness course or mountaineering experience, **SURVIVAL: THE EXHIBITION** reminds scouts that in any situation they already have the two most important tools required: intelligence and rationality.

From *On the Water* to *Temperate Forest, High Mountains* and *Extreme Cold* to *Desert*, **SURVIVAL: THE EXHIBITION** empowers scouts by providing them with invaluable skills that could literally save their lives and others’ lives. Hands-on learning is key to survival. Tactile, collaborative interactives along with instructional content, inspiring stories, and an engaging setting help scouts develop the physical memory necessary to retain new skills as they work toward fulfilling their badge goals.
Boy Scouts of America can work towards the following badges during a visit to **SURVIVAL: THE EXHIBITION:**

### CUB SCOUTS:

**WOLF**

**WOLF ADVENTURE: CALL OF THE WILD BADGE**
Steps: 4a, 4b, 5

**WOLF ELECTIVE ADVENTURE: FINDING YOUR WAY BADGE**
Steps: 2a, 2b

**WEBELOS**

**WEBELOS ADVENTURE: FIRST RESPONDER BADGE**
Steps: 1, 2, 3, 4, 5a, 5b, 5h

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c, 2a

**ARROW OF LIGHT**

**ARROW OF LIGHT ADVENTURE: OUTDOOR ADVENTURER: OPTION B**
Steps 2a, 2b, 2c

### SCOUTS BSA:

**MERIT BADGES**

**FIRST AID BADGE**
Steps: 2a, 2b, 2c, 3, 7a, 7b, 8a, 8b, 8c

**BACKPACKING BADGE**
Steps: 1, 4a, 5a, 6a

**CAMPING BADGE**
Steps: 1c, 2

**CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b,

**CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b

**EMERGENCY PREPAREDNESS BADGE**
Steps: 2a, 4

**KAYAKING BADGE**
Steps: 1a, 1b, 3a

**ORIENTEERING BADGE**
Steps: 1, 2, 3a, 3b

**WHITEWATER BADGE**
Steps: 1a, 1b

**WILDERNESS SURVIVAL BADGE**
Steps: 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12
WOLF ADVENTURE: CALL OF THE WILD BADGE

Explore *Natural Disasters* and learn important first aid skills. Visit *Rainforest* and test your knot-tying skills.

**STEPS: 4A, 4B, 5**

1. **SHOW OR DEMONSTRATE WHAT TO DO:**
   - (a) In case of a natural disaster such as an earthquake or flood.
   - (b) To keep from spreading your germs.

2. **SHOW HOW TO TIE AN OVERHAND KNOT AND A SQUARE KNOT.**

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WOLF ELECTIVE ADVENTURE: FINDING YOUR WAY BADGE

In *Extreme Cold*, use the compass interactive to discover which direction is true north. Practice reading different types of maps, and learn the common keys and symbols commonly used on maps.

**STEPS: 2A, 2B**

1. **DO THE FOLLOWING:**
   - (a) Identify what a compass rose is and where it is on the map.
   - (b) Use a compass to identify which direction is north. Show how to determine which way is south, east, and west.

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WEBELOS ADVENTURE: FIRST RESPONDER BADGE

Visit *Natural Disasters* and *Suburban Urban* to learn how to perform triage. In these galleries, discover how to treat major first-aid situations.

**STEPS: 1, 2, 3, 4, 5A, 5B, 5H**

1. **EXPLAIN WHAT FIRST AID IS.**
   Tell what you should do after an accident.

2. **SHOW WHAT TO DO FOR HURRY CASES OF FIRST AID:**
   Serious bleeding, heart attack or sudden cardiac arrest, stopped breathing, stroke, poisoning

3. **SHOW HOW TO HELP A CHOKING VICTIM.**

4. **SHOW HOW TO TREAT FOR SHOCK.**

5. **DEMONSTRATE HOW TO TREAT THE FOLLOWING:**
   (a) Cuts and scratches
   (b) Burns and scalds
   (h) Nosebleeds

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WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE

In *High Mountains*, practice starting a fire using the hand drill method and visit *Temperate Forest* to build a shelter that will protect you overnight. In *Suburban Urban*, discover what items are important to pack in an outdoor survival kit or “bug-out bag” and see how fast you can pack your survival essentials.

**STEPS: 1B, 1C, 2A**

1. **COMPLETE YOUR CHOICE OF B OR C**
   - (b) With the help of an adult, demonstrate one way to light a fire without using matches.
   - (c) Using tree limbs or branches that have already fallen or been cut, build a shelter that will protect you overnight.

2. **DO THE FOLLOWING:**
   - (a) Learn what items should be in an outdoor survival kit that you can carry in a small bag or box in a day pack. Assemble your own small survival kit, and explain to your den leader why the items you chose are important for survival.

ARROW OF LIGHT ADVENTURE: OUTDOOR ADVENTURER OPTION B

In *Suburban Urban* and *Natural Disasters*, learn what actions you should take during extreme weather and natural disasters.

**STEPS 2A, 2B, 2C**

2. **DISCUSS WITH YOUR DEN OR FAMILY WHAT ACTIONS YOU SHOULD TAKE IN THE CASE OF THE FOLLOWING EXTREME WEATHER EVENTS:**
   - (a) Severe rainstorms causing flooding.
   - (b) Severe thunderstorm with lightning or tornadoes.
   - (c) Fire, earthquake, or other disaster that will require evacuation.

   Discuss what you have done to minimize as much danger as possible.
FIRST AID BADGE

Visit *Natural Disasters* to learn how to perform triage. Practice performing CPR on a dummy, and locate an AED machine in this section. Explore *On the Water* to see how you would obtain emergency medical assistance on open water.

**STEPS: 2A, 2B, 2C, 3, 7A, 7B, 8A, 8B, 8C**

2. **EXPLAIN HOW YOU WOULD OBTAIN EMERGENCY MEDICAL ASSISTANCE FROM:**
   - (a) Your home
   - (b) A remote location on a wilderness camping trip
   - (c) An activity on open water

3. **DEFINE THE TERM TRIAGE.**
   Explain the steps necessary to assess and handle a medical emergency until help arrives.

4. **EXPLAIN THE UNIVERSAL PRECAUTIONS AS APPLIED TO THE TRANSMISSION OF INFECTIONS.**
   Discuss the ways you should protect yourself and the victim while administering first aid.

7. **DO THE FOLLOWING:**
   - (a) Describe the conditions that must exist before performing CPR on a person. Then demonstrate proper CPR technique using a training device approved by your counselor.
   - (b) Explain the use of an automated external defibrillator (AED). Identify the location of the AED (if one is present) at your school, place of worship, and troop meeting place.

8. **DO THE FOLLOWING:**
   - (a) Show the steps that need to be taken for someone who has a large open wound or cut that is not bleeding severely.
   - (b) Show the steps that need to be taken for someone who has a large open wound or cut that is severely bleeding.
   - (c) Tell the dangers in the use of a tourniquet and the conditions under which its use is justified.

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SCOUTS BSA: MERIT BADGES

(Continued from page 8)

BACKPACKING BADGE

Explore *High Mountains* to learn how to treat health concerns that could occur while backpacking. In the *Ranger Station Intro Theater*, discover the importance of using the Leave No Trace™ principles. Demonstrate how to read a topographic map in *Extreme Cold* and learn about the different ways to filter water in the *Desert* gallery.

**STEPS: 1, 4A, 5A, 6A**

1. **DISCUSS THE PREVENTION OF AND TREATMENT FOR HEALTH CONCERNS THAT COULD OCCUR WHILE BACKPACKING, INCLUDING HYPOTHERMIA, HEAT REACTIONS, FROSTBITE, DEHYDRATION, INSECT STINGS, TICK BITES, SNAKEBITE, AND BLISTERS.**

4. **DO THE FOLLOWING:**
   (a) Describe the importance of using Leave No Trace™ principles while backpacking, and at least five ways you can lessen the crew’s impact on the environment.

5. **DO THE FOLLOWING:**
   (a) Demonstrate two ways to treat water and tell why water treatment is essential.

6. **DO THE FOLLOWING:**
   (a) Demonstrate that you can read topographic maps.

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CAMPING BADGE

In the Ranger Station Intro Theater, discover the importance of using the Leave No Trace™ principles. Observe the different ways to filter water in Desert and test out your first aid skills in Natural Disasters.

STEP: 1C, 2, 6B

1. DO THE FOLLOWING:
   (c) Show that you know first aid for and how to prevent injuries or illnesses that could occur while camping, including hypothermia, frostbite, heat reactions, dehydration, altitude sickness, insect stings, tick bites, snakebite, blisters, and hyperventilation.

2. LEARN THE LEAVE NO TRACE PRINCIPLES AND THE OUTDOOR CODE AND EXPLAIN WHAT THEY MEAN.
   Write a personal and group plan for implementing these principles on your next outing.

6. DO THE FOLLOWING:
   (b) Discuss the importance of camp sanitation, and tell why water treatment is essential.
   Then demonstrate two ways to treat water.

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CANOEING BADGE

Explore *On the Water* to learn about the different kinds of flotation devices and the parts of the paddle. In *High Mountains* and *Natural Disasters*, test out your knowledge of first-aid skills and how to respond to help in hazardous conditions.

**STEPS: 1A, 1B, 4A, 5A, 5B**

1. **DO THE FOLLOWING:**
   
   (a) Explain to your counselor the most likely hazards you may encounter while participating in canoeing activities and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.
   
   (b) Review prevention, symptoms, and first-aid treatment for the following injuries or illnesses that could occur while canoeing: blisters, cold-water shock and hypothermia, dehydration, heat-related illnesses, sunburn, sprains, and strains.

4. **DO THE FOLLOWING:**
   
   (a) Name and point out the parts of a paddle. Explain the difference between a straight and bent-shaft paddle and when each is best used.

5. **DO THE FOLLOWING:**
   
   (a) Discuss with your counselor the characteristics of life jackets most appropriate for canoeing and tell why a life jacket must always be worn while paddling.
   
   (b) Demonstrate how to select and properly fit the correct size life jacket.

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CLIMBING BADGE

In the *Ranger Station Intro Theater*, learn the importance of using Leave No Trace™ principles. Visit *Rainforest* and test your knot-tying skills. In *High Mountains* and *Natural Disasters*, test out your knowledge of first-aid skills and what to do to respond in hazardous conditions.

**STEPS: 1A, 1B, 1C, 2, 7A, 7B**

1. **DO THE FOLLOWING:**

   (a) Explain to your counselor the most likely hazards you may encounter while participating in climbing and rappelling activities and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

   (b) Show that you know first aid for and how to prevent injuries or illnesses that could occur during climbing activities, including heat and cold reactions, dehydration, stopped breathing, sprains, abrasions, fractures, rope burns, blisters, snakebite, and insect bites or stings.

   (c) Identify the conditions that must exist before performing CPR on a person.

2. **LEARN THE LEAVE NO TRACE PRINCIPLES AND OUTDOOR CODE, AND EXPLAIN WHAT THEY MEAN.**

7. **KNOTS.**

   Demonstrate the ability to tie each of the following knots. Give at least one example of how each knot is used in belaying, climbing, or rappelling.

   (a) Figure eight on a bight

   (b) Figure eight follow-through

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EMERGENCY PREPAREDNESS BADGE

Visit *Extreme Cold* to learn how to attract help from rescue planes and aircraft. In *Natural Disasters* and *Suburban Urban*, learn the aspects of emergency preparedness.

**STEPS: 2A, 4**

2 **DO THE FOLLOWING:**
   
   (a) Discuss with your counselor the aspects of emergency preparedness:
       
       (1) Prevention  (4) Response
       (2) Protection  (5) Recovery
       (3) Mitigation

   Include in your discussion the kinds of questions that are important to ask yourself as you consider each of these.

4 **SHOW THREE WAYS OF ATTRACTING AND COMMUNICATING WITH RESCUE PLANES/AIRCRAFT.**

KAYAKING BADGE

Explore *On the Water* to learn about the different kinds of flotation devices and how to respond to water-related hazards.

**STEPS: 1A, 1B, 3A**

1 **DO THE FOLLOWING:**
   
   (a) Explain to your counselor the hazards you are most likely to encounter while participating in kayaking activities, including weather-related and water-related hazards, and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

   (b) Review prevention, symptoms, and first-aid treatment for the following injuries or illnesses that can occur while kayaking: blisters, cold-water shock and hypothermia, heat-related illnesses, dehydration, sunburn, sprains, and strains.

3 **DO THE FOLLOWING:**
   
   (a) Review the characteristics of life jackets most appropriate for kayaking and understand why one must always be worn while paddling. Demonstrate how to select and fit a life jacket for kayaking.

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ORIENTEERING BADGE

Explore Rainforest and identify poisonous plants and animals. In Extreme Cold, learn how a compass works and how to build your own in the wild. In High Mountains, Desert, and Suburban Urban, test out your knowledge of first-aid skills and what to do to respond in hazardous conditions.

STEPS: 1, 2, 3A,

1 SHOW THAT YOU KNOW FIRST AID FOR THE TYPES OF INJURIES THAT COULD OCCUR WHILE ORIENTEERING, including cuts, scratches, blisters, snakebite, insect stings, tick bites, heat and cold reactions (sunburn, heatstroke, heat exhaustion, hypothermia), and dehydration. Explain to your counselor why you should be able to identify poisonous plants and poisonous animals that are found in your area.

2 EXPLAIN WHAT ORIENTEERING IS.

3 DO THE FOLLOWING:
   (a) Explain how a compass works. Describe the features of an orienteering compass.

WHITENWATER BADGE

Visit On the Water and Natural Disasters to test out your knowledge of first-aid skills and what to do to respond in hazardous conditions.

STEPS: 1A, 1B

3 DO THE FOLLOWING:
   (a) Explain to your counselor the most likely hazards you may encounter while participating in whitewater activities and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

   (b) Review with your counselor the prevention, symptoms, and first-aid treatment for the following injuries or illnesses that could occur while participating in whitewater activities including cold-water shock; hypothermia; head, neck, and back injuries; heat-related illnesses; sunburn; dehydration; blisters; bruises; cuts; sprains and strains; shoulder dislocation; and submersion injuries.
WILDERNESS SURVIVAL BADGE

Visit *On the Water* and *Natural Disasters* to test out your knowledge of first aid skills and what to do to respond in hazardous conditions. Explore the *Extreme Cold* and *Desert* galleries to discover how you can survive in different climates. Practice building a shelter in *Temperate Forest* and learn how to use a signal mirror in *Extreme Cold*.

**STEPS 1A, 1B, 4A, 4B, 4C, 4D, 4E, 7, 8, 10, 12**

1. **DO THE FOLLOWING:**
   (a) Explain to your counselor the hazards you are most likely to encounter while participating in wilderness survival activities, and what you should do to anticipate, help prevent, mitigate, or lessen these hazards.
   (b) Show that you know first aid for and how to prevent injuries or illnesses that could occur in backcountry settings, including hypothermia, heat reactions, frostbite, dehydration, blisters, insect stings, tick bites, and snakebites.

2. **DESCRIBE THE STEPS YOU WOULD TAKE TO SURVIVE IN THE FOLLOWING EXPOSURE CONDITIONS:**
   (a) Cold and snowy
   (b) Wet
   (c) Hot and dry
   (d) Windy

7. **DO THE FOLLOWING:**
   (a) Show five different ways to attract attention when lost.
   (b) Demonstrate how to use a signal mirror.
   (c) Describe from memory five ground-to-air signals and tell what they mean.

8. **IMPROVISE A NATURAL SHELTER.**

   For the purpose of this demonstration, use techniques that have little negative impact on the environment.
**RANGER STATION INTRO THEATER**

- BACKPACKING BADGE
  - Step: 4a

- SCOUTS BSA: CAMPING BADGE
  - Step: 2

- SCOUTS BSA: CLIMBING BADGE
  - Step: 2

- SCOUTS BSA: BACKPACKING
  - Steps: 1, 4a, 5a, 6a

**NATURAL DISASTERS**

- WOLF ADVENTURE:
  - CALL OF THE WILD BADGE
  - Steps: 4a, 4b

- WEBELOS ADVENTURE:
  - FIRST RESPONDER BADGE
  - Steps: 1, 2, 4, 5a, 5b, 5h

- ARROW OF LIGHT ADVENTURE:
  - OUTDOOR ADVENTURER OPTION B
  - Steps 2a, 2b, 2c

- SCOUTS BSA: FIRST AID BADGE
  - Steps: 2a, 2b, 2c, 3, 7a, 7b, 8a, 8b, 8c

- SCOUTS BSA: CAMPING BADGE
  - Step: 1c, 2, 6b

- SCOUTS BSA: CANOEING BADGE
  - Steps: 1a, 1b, 4a, 5a, 5b

- SCOUTS BSA: CLIMBING BADGE
  - Steps: 1a, 1b, 1c, 2, 7a, 7b

- SCOUTS BSA: EMERGENCY PREPAREDNESS BADGE
  - Steps: 2a, 4

- SCOUTS BSA: WHITEWATER BADGE
  - Steps: 1a, 1b

- SCOUTS BSA: WILDERNESS SURVIVAL BADGE
  - Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12
**DESERT**

**SCOUTS BSA: BACKPACKING**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CAMPING BADGE**
Steps: 1c, 2, 6b

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**SCOUTS BSA: WILDERNESS SURVIVAL BADGE**
Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12

**ON THE WATER**

**SCOUTS BSA: FIRST AID BADGE**
Steps: 2a, 2b, 2c, 3, 7a, 7b, 8a, 8b, 8c

**SCOUTS BSA: CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b

**SCOUTS BSA: KAYAKING BADGE**
Steps: 1a, 1b, 3a

**SCOUTS BSA: WHITEWATER BADGE**
Steps: 1a, 1b

**SCOUTS BSA: WILDERNESS SURVIVAL BADGE**
Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12

**TEMPERATE FOREST**

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c

**SCOUTS BSA: WILDERNESS SURVIVAL BADGE**
Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12

**RAINFOREST**

**WOLF ADVENTURE: CALL OF THE WILD BADGE**
Step: 5

**SCOUTS BSA: CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b, 7c, 7d, 7e

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**EXTREME COLD**

**WOLF ELECTIVE ADVENTURE: FINDING YOUR WAY BADGE**
Steps: 2a, 2b

**SCOUTS BSA: BACKPACKING**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CAMPING BADGE**
Steps: 1c, 2, 6b

**SCOUTS BSA: EMERGENCY PREPAREDNESS BADGE**
Steps: 2a, 4

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**SCOUTS BSA: WILDERNESS SURVIVAL BADGE**
Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12

**HIGH MOUNTAINS**

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c

**SCOUTS BSA: BACKPACKING BADGE**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b

**SCOUTS BSA: CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b, 7c, 7d, 7e

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**WEBELOS ADVENTURE: FIRST RESPONDER BADGE**
Steps: 3, 5a, 5h

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Step: 2a

**ARROW OF LIGHT ADVENTURE: OUTDOOR ADVENTURER OPTION B**
Steps: 2a, 2b, 2c

**SCOUTS BSA: EMERGENCY PREPAREDNESS BADGE**
Steps: 2a, 4

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**WEBELOS ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c

**SCOUTS BSA: BACKPACKING**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b

**SCOUTS BSA: CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b, 7c, 7d, 7e

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**SCOUTS BSA: WILDERNESS SURVIVAL BADGE**
Steps 1a, 1b, 4a, 4b, 4c, 4d, 4e, 7, 8, 10, 12

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c

**SCOUTS BSA: BACKPACKING**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b

**SCOUTS BSA: CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b, 7c, 7d, 7e

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a

**WEBELOS ELECTIVE ADVENTURE: CASTAWAY BADGE**
Steps: 1b, 1c

**SCOUTS BSA: BACKPACKING**
Steps: 1, 4a, 5a, 6a

**SCOUTS BSA: CANOEING BADGE**
Steps: 1a, 1b, 4a, 5a, 5b

**SCOUTS BSA: CLIMBING BADGE**
Steps: 1a, 1b, 1c, 2, 7a, 7b, 7c, 7d, 7e

**SCOUTS BSA: ORIENTEERING BADGE**
Steps: 1, 2, 3a