



2024 Edition

SCOUTMASTER BUCKY

Gardening Merit Badge

SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE GARDENING MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

<https://scoutmasterbucky.com/merit-badges/gardening/gardening-cpp.pdf>

GARDENING MERIT BADGE WORKBOOK

REQUIREMENT 1a: Explain to your counselor the most likely hazards associated with gardening and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

HAZARD #1

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #2

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #3

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #4

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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HAZARD #5

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



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REQUIREMENT 1b: Discuss the prevention of, and treatment for, health concerns that could occur while gardening, including cuts, scratches, puncture wounds, insect bites, anaphylactic shock, heat reactions, and reactions from exposure to pesticides and fertilizers.

Cuts:

Scratches:

Puncture Wounds:

Insect Bites:

Anaphylactic Shock:



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Heat Reactions:

Reactions from Exposure to Pesticides:

Reactions from Exposure to Fertilizers:



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REQUIREMENT 2a: Grow six vegetables, three from seeds and three from seedlings, through harvest.

Vegetable #1:

☐

from seeds

☐

from seedlings

Vegetable #2:

☐

from seeds

☐

from seedlings

Vegetable #3:

☐

from seeds

☐

from seedlings

Vegetable #4:

☐

from seeds

☐

from seedlings

Vegetable #5:

☐

from seeds

☐

from seedlings

Vegetable #6:

☐

from seeds

☐

from seedlings

Observations:



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REQUIREMENT 2b: Grow six flowers, three from seeds and three from seedlings, through flowering.

Flower #1:

☐ from seeds ☐ from seedlings

Flower #2:

☐ from seeds ☐ from seedlings

Flower #3:

☐ from seeds ☐ from seedlings

Flower #4:

☐ from seeds ☐ from seedlings

Flower #5:

☐ from seeds ☐ from seedlings

Flower #6:

☐ from seeds ☐ from seedlings

Observations:



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REQUIREMENT 3a: Give the nutritional value of three root or tuber crops

Root or Tuber Crop #1:	Nutritional Value:
Root or Tuber Crop #2:	Nutritional Value:
Root or Tuber Crop #3:	Nutritional Value:

REQUIREMENT 3b: Give the nutritional value of three vegetables that bear above ground

Above Ground Vegetable #1:	Nutritional Value:
Above Ground Vegetable #2:	Nutritional Value:
Above Ground Vegetable #3:	Nutritional Value:

REQUIREMENT 3a: Give the nutritional value of three fruits

Fruit #1:	Nutritional Value:
Fruit #2:	Nutritional Value:
Fruit #3:	Nutritional Value:



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REQUIREMENT 4: Test 100 seeds for germination. Determine the percentage of seeds that germinate. Explain why you think some did not germinate.

This requirement will be done as a part of the in-person class.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

Notes:



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REQUIREMENT 5: Visit your county extension agent's office, local university agricultural college, nursery, or a botanical garden or arboretum. Report on what you learned.

Place Visited:

Date and Location of Visit:

Who you met with:

Notes:



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REQUIREMENT 6: Explain to your counselor how and why honey bees are used in pollinating food crops.

Notes:

REQUIREMENT 6: Discuss the problems facing the bee population today.

Notes:

REQUIREMENT 6: Tell what you think would be the impact to humanity if there were no pollinators.

Notes:



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REQUIREMENT 7: Identify five garden pests (insects, diseased plants). Recommend two solutions for each pest. At least one of the two solutions must be an organic method.

GARDEN PEST #1:

Pest:

Organic Solution:

Second Solution:

GARDEN PEST #2:

Pest:

Organic Solution:

Second Solution:



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GARDEN PEST #3:

Pest:

Organic Solution:

Second Solution:

GARDEN PEST #4:

Pest:

Organic Solution:

Second Solution:



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Pest:

Organic Solution:

Second Solution:

REQUIREMENT 8a: Build a compost bin and maintain it for 90 days.

REQUIREMENT 8b: Build a vermicompost bin (worm compost bin) and maintain it for 90 days.

REQUIREMENT 8c: Build a hydroponic garden containing three vegetables or herbs, or three ornamental plants. Maintain this garden through harvest or flowering, or for 90 days.

REQUIREMENT 8d: Build one water garden, either in a container (at least 12 by 6 inches and 6 inches deep), or in the ground as a small, decorative pond no larger than 6 by 3 feet and 24 inches deep. Maintain the water garden for 90 days.

REQUIREMENT 8e: Prepare a honey super for use on a hive or colony. Remove a filled honey super from the hive or colony and prepare the honey for sale.

Be sure to bring your completed work for the option you selected to share with your merit badge counselor.

This requirement must be reviewed with your merit badge counselor.

