



## Dentistry Merit Badge Workbook

# SCOUTMASTER BUCKY

Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Dentistry merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

<https://scoutmasterbucky.com/merit-badges/dentistry/dentistry-pamphlet.pdf>

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

**REQUIREMENT 1:** Using X-ray (radiographic) films or images and with your counselor's guidance, do the following:

**REQUIREMENT 1a:** Study the tooth structure and look for decay.

Consider using the [Dentistry Merit Badge Pamphlet](#) for preparation information

**This requirement is best done with your merit badge counselor.**

**BE PREPARED!**

**REQUIREMENT 1b:** Draw a lower molar, using the radiographs as a guide. Label its parts and surfaces. Show surrounding structures such as bone and gum tissues.

**REQUIREMENT 1c:** Show on your drawing where the nerves and blood vessels enter and leave the tooth.

**REQUIREMENT 1d:** Show on your drawing where bacterial plaque is most likely to be found.



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**REQUIREMENT 2a:** Tell or write about what causes dental decay and gum disease.

Notes:

**REQUIREMENT 2a:** Tell how each of the following contributes to dental decay and gum disease: bacterial plaque, sugars, and acid.

Bacterial Plaque:

Sugars:

Acid:



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**REQUIREMENT 2b:** Tell the possible causes for traumatic tooth loss.

Notes:

**REQUIREMENT 2b:** Describe the types of mouth guards used to help prevent tooth trauma.

Notes:

**REQUIREMENT 2b:** List the athletic activities during which a person should wear a mouth guard.

Notes:



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**REQUIREMENT 2c:** Explain the first-aid procedure for saving a tooth that has been knocked out.

Notes:

**REQUIREMENT 2d:** Discuss how the use of tobacco products can negatively affect your oral health.

Notes:

**REQUIREMENT 3:** Arrange for a visit with a dentist. Before you go, ask whether your visit can include a dental examination and a plaque-control demonstration. Afterward, ask questions about things you want to know. Then tell your counselor what the dentist does during a checkup examination.

Notes:



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**DO TWO OF THE FOLLOWING (4A, 4B, or 4C) FOR REQUIREMENT 4**

**REQUIREMENT 4a:** Name at least five instruments and five pieces of equipment a dentist uses.

Instrument #1:

Instrument #2:

Instrument #3:

Instrument #4:

Instrument #5:

Equipment Piece #1:

Equipment Piece #2:

Equipment Piece #3:

Equipment Piece #4:

Equipment Piece #5:

**REQUIREMENT 4b:** With the help of a dentist, prepare a dental stone cast using a vibrator, a mixing bowl, a water measure, a plastic measure, model stone, and a spatula.

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**This requirement is best done with your dentist.**

**BE PREPARED!**



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**REQUIREMENT 4c:** Keep a record of everything you eat for three days. Circle those items that may provide the sugars that bacterial plaque needs to make acid.

DAY 1:

Notes:

DAY 2:

Notes:

DAY 3:

Notes:



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**REQUIREMENT 4c:** List snacks that you should avoid to help maintain the best oral health.

Notes:

**REQUIREMENT 5a:** Discuss with your counselor how fluorides help prevent tooth decay and the ways fluorides can be provided to the teeth.

Notes:

**REQUIREMENT 5b:** Discuss with your counselor how the mouth is related to the rest of the body. Topics might include chewing, saliva, enzymes, nutrition, and speech.

Notes:



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DO TWO OF THE FOLLOWING (6A, 6B, 6C, 6D, or 6E) FOR REQUIREMENT 6

**REQUIREMENT 6a:** Make a model tooth out of soap, clay, papier-mâché, or wax. Using a string and a large hand brush, show your troop or a school class proper tooth-brushing and flossing procedures.

**REQUIREMENT 6b:** Make a poster on the prevention of dental disease. Show the importance of good oral health.

**REQUIREMENT 6c:** Collect at least five advertisements for different toothpastes.

Consider using the [Dentistry Merit Badge Pamphlet](#) for preparation information

Don't forget to bring your work to share with your merit badge counselor

**These requirements must be reviewed with your merit badge counselor.**

**BE PREPARED!**

**REQUIREMENT 6c:** List the claims that each collected toothpaste makes. Tell about the accuracy of the advertisements.

TOOTHPASTE #1:

Brand / Name:

Claims:

TOOTHPASTE #2:

Brand / Name:

Claims:





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## TOOTHPASTE #3:

Brand / Name:

Claims:

## TOOTHPASTE #4:

Brand / Name:

Claims:

## TOOTHPASTE #5:

Brand / Name:

Claims:



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**REQUIREMENT 6d:** Write a feature story for your school newspaper on the proper care of teeth and gums. Include in your story how the use of tobacco products can negatively affect a person's oral health.

Notes:



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**REQUIREMENT 6e:** Make drawings and write about the progress of dental decay. Describe the types of dental filling and treatments a dentist can use to repair dental decay problems.

Notes:



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**REQUIREMENT 7:** Identify three career opportunities that would use skills and knowledge in dentistry.

Career Opportunity #1:

Career Opportunity #2:

Career Opportunity #3:

**REQUIREMENT 7:** Pick one and research the training, education, certification requirements, experience, and expenses associated with entering the field.

Selected Career Opportunity:

Training Requirements:

Education Requirements:

Certification Requirements:

Experience Requirements:



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Expenses Associated with:

**REQUIREMENT 7:** Research the prospects for employment, starting salary, advancement opportunities and career goals associated with this career.

Prospects for Employment:

Starting Salary:

Advancement Opportunities:

Career Goals:

**REQUIREMENT 11:** Discuss what you learned with your counselor and whether you might be interested in this career.

Notes: