



# DENTISTRY MERIT BADGE WORK SHEET (BYU/UVU PowWow)

Scout's Name

Instructor's Name

Scout's Address

City

State

ZIP

## Instructions

- 1) The Scout is to review the merit badge book before the first week of PowWow.
- 2) Bring this work sheet, paper, and pencil or pen each week.

## Requirement Instructions\*

- 1) Requirement 1 will be completed at PowWow.
- 2) The Scout should have completed requirement 2 **before** PowWow begins.
- 3) The Scout should have completed requirement 3 **before** PowWow begins.
- 4) Requirement 4a and 4b will be completed at PowWow. (The Scout should have completed, and be prepared to pass off, requirement 4c **before** PowWow begins.)
- 5) Requirement 5 will be completed at PowWow.
- 6) Requirement 6 will be completed at PowWow. (The Scout should complete requirement 6c for **homework** between the sessions of PowWow.)
- 7) Requirement 7 will be completed at the PowWow.

\*All requirements may be subject to change by the merit badge counselor based on time constraints at the PowWow session. Please listen to all instructions given by the instructor to be aware of any changes.

## Requirement 1

**Initial**

Using X-ray (radiographic) films and with your counselor's guidance, study the tooth structure and look for decay.

Describe what you found.

a. Using the radiographs as a guide, draw a lower molar in the space below. Label its parts and surfaces. Show surrounding structures such as bone and gum tissues.

b. Show on your drawing where the nerves and blood vessels enter the tooth.

c. Show on your drawing where bacterial plaque is most likely to be found.

## Requirement 2

**Initial**

Describe what causes dental decay and gum disease.

a. Tell how each of the following contributes to dental decay and gum disease.

Bacterial plaque:

Sugars:

Acid:

b. Tell about the possible causes for traumatic tooth loss.

Describe the types of mouth guards used to help prevent tooth trauma.

List the athletic activities during which a person should wear a mouth guard.

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

### **Requirement 3**

**Initial**

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.

Name of dentist you visited:

Date of visit:

Tell about what a dentist does during a checkup examination.

What did you learn from the plaque-control demonstration?

Tell about any other interesting things that you learned. (Use the back of this page if needed).

### **Requirement 4**

**Initial**

You have been given three options for this requirement. Select and complete TWO of them.

*Option 1:*

Name and briefly describe at least five instruments and five pieces of equipment a dentist uses.

Instrument 1:

Instrument 2:

Instrument 3:

Instrument 4:

Instrument 5:

Other instrument:

Equipment 1:

Equipment 2:

Equipment 3:

Equipment 4:

Equipment 5:

Other equipment:

*Option 2:*

With the help of a dentist, prepare a dental stone cast using a vibrator, mixing bowl, water measure, plastic measure, model stone, and spatula. Show your stone cast to your counselor and describe the process of making it below.

*Option 3:*

On another sheet of paper, keep a record of everything you eat for three days. Attach your record to this work sheet. Circle on your record those items that may provide the sugars that bacterial plaque needs to make acid. List snacks that you should avoid to help maintain the best oral health.

**Requirement 5**

**Initial**

a. Discuss how fluorides help prevent tooth decay.

Describe the ways in which fluorides can be provided to the teeth.

b. Discuss how the mouth is related to the rest of the body in relation to the following:

Chewing:

Saliva:

Enzymes:

Nutrition:

Speech:

Any other areas or functions:

**Requirement 6**

**Initial**

You have been given five options for this requirement. Select and complete TWO of them.

*Option 1:*

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 toothbrushing and flossing procedures. Show your model to your counselor. Describe proper toothbrushing procedures as you explained in your demonstration.

Describe proper flossing procedures.

*Option 2:*

Make a poster on the prevention of dental disease. Show the importance of good oral health. Show your poster to your counselor and list here a few of the facts and ideas you included on your poster.

*Option 3:*

Collect at least five advertisements for different toothpastes. Give their names and list the claims that each one makes.

Toothpaste 1:

Claims:

Toothpaste 2:

Claims:

Toothpaste 3:

Claims:

Toothpaste 4:

Claims:

Toothpaste 5:

Claims:

Tell about the accuracy of these advertisements.

*Option 4:*

Write a feature story for your school newspaper on the proper care of teeth and gums. Attach a copy to this work sheet. Give a brief synopsis of your feature story.

*Option 5:*

On another sheet of paper, make drawings and write about the progress of dental decay. Attach a copy to this work sheet. Briefly describe the progress of dental decay.

Describe the types of dental filling and treatments a dentist can use to repair dental decay problems.

## **Requirement 7**

## **Initial**

Find out about three career opportunities in dentistry. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

Career One:

Career Two:

Career Three:

Chosen Career:

Education Required:

Training/Experience Required:

Why does it interest you?

**Merit badge work sheets will not be accepted at the Council Office in place of the official Merit Badge Application Card. Those who do not complete all the requirements should take their partially completed merit badge work sheet and their official application card to their local merit badge counselors for completion.**