



**MEDICINE MERIT BADGE WORKBOOK**

This Scoutmaster Bucky Merit Badge Workbook is based off the *2020 Scouts BSA Requirements*.

Consider also using the Medicine merit badge class preparation page for clarification and expectations when participating in a Scoutmaster Bucky merit badge opportunity (online or in-person).

<https://scoutmasterbucky.com/merit-badges/medicine/>

Scout's Name:

**REQUIREMENT 1:** Discuss with your counselor the influence that EIGHT of the following people had on the history of health care:

**REQUIREMENT 1A:** Hippocrates

**REQUIREMENT 1B:** William Harvey



**REQUIREMENT 1C: Antoine van Leeuwenhoek**

**REQUIREMENT 1D: Edward Jenner**

**REQUIREMENT 1E: Florence Nightingale**

**REQUIREMENT 1F: Louis Pasteur**



**REQUIREMENT 1G: Gregor Mendel**

**REQUIREMENT 1H: Joseph Lister**

**REQUIREMENT 1I: Robert Koch**

**REQUIREMENT 1J: Daniel Hale Williams**



**REQUIREMENT 1K: Wilhelm Conrad Roentgen**

**REQUIREMENT 1L: Marie and Pierre Curie**

**REQUIREMENT 1M: Walter Reed**

**REQUIREMENT 1N: Karl Landsteiner**



**REQUIREMENT 1O: Alexander Fleming**

**REQUIREMENT 1P: Charles Richard Drew**

**REQUIREMENT 1Q: Helen Raussig**

**REQUIREMENT 1R: James Watson and Francis Crick**



**REQUIREMENT 1S:** Jonas Salk

**REQUIREMENT 2:** Explain the Hippocratic Oath to your counselor, and compare the original version to a more modern one. Discuss to whom those subscribing to the original version of the oath owe the greatest allegiance.

**REQUIREMENT 3:** Discuss the health-care provider-patient relationship with your counselor, and the importance of such a relationship in the delivery of quality care to the patient. Describe the role of confidentiality in this relationship.

**REQUIREMENT 4:** Do the following:



**REQUIREMENT 4A:** Describe the roles the following people play in the delivery of health care:

**REQUIREMENT 4A1:** Allopathic physician (M.D.) and osteopathic physician (D.O.)

**REQUIREMENT 4A2:** Chiropractor (D.C.)

**REQUIREMENT 4A3:** Emergency medical technician



**REQUIREMENT 4A4:** Licensed practical/vocational nurse

**REQUIREMENT 4A5:** Medical assistant

**REQUIREMENT 4A6:** Medical laboratory technologist

**REQUIREMENT 4A7:** Nurse-midwife





**REQUIREMENT 4A8: Nurse practitioner**

**REQUIREMENT 4A9: Occupational therapist**

**REQUIREMENT 4A10: Optometrist**

**REQUIREMENT 4A11: Pharmacist**



**REQUIREMENT 4A12: Physical therapist**

**REQUIREMENT 4A13: Physician's assistant**

**REQUIREMENT 4A14: Podiatrist**

**REQUIREMENT 4A15: Psychologist**



**REQUIREMENT 4A16: Radiologic technologist**

**REQUIREMENT 4A17: Registered nurse**

**REQUIREMENT 4A18: Respiratory therapist**

**REQUIREMENT 4B: Describe the educational and licensing requirements to practice health care in your state for FIVE of the professions in requirement 4a. (Not all professions may exist in your state.)**



**REQUIREMENT 5:** Do the following:

**REQUIREMENT 5A:** Tell what is meant by the term "primary care" with regard to a medical specialty.

**REQUIREMENT 5B:** Briefly describe the types of work done by physicians in the following specialties:

**REQUIREMENT 5B1:** Internal medicine

\*"Primary care" specialties\*



**REQUIREMENT 5B2: Family practice**

\*"Primary care" specialties\*

**REQUIREMENT 5B3: Obstetrics/gynecology**

\*"Primary care" specialties\*

**REQUIREMENT 5B4: Pediatrics**

\*"Primary care" specialties\*

**REQUIREMENT 5B5: Psychiatry**



**REQUIREMENT 5B6:** Surgery

**REQUIREMENT 5C:** Describe the additional educational requirements for these specialties.

**REQUIREMENT 6:** Do the following:

**REQUIREMENT 6A:** Briefly describe the types of work performed by physicians in FIVE of the following specialties or subspecialties:



**REQUIREMENT 6A1: Allergy/immunology**

**REQUIREMENT 6A2: Anesthesiology**

**REQUIREMENT 6A3: Cardiology**

**REQUIREMENT 6A4: Colorectal surgery**



**REQUIREMENT 6A5: Critical care medicine (intensive care medicine)**

**REQUIREMENT 6A6: Dermatology**

**REQUIREMENT 6A7: Emergency Medicine**

**REQUIREMENT 6A8: Endocrinology**





**REQUIREMENT 6A9: Gastroenterology**

**REQUIREMENT 6A10: Geriatric medicine**

**REQUIREMENT 6A11: Hematology/oncology**

**REQUIREMENT 6A12: Hospitalist**



**REQUIREMENT 6A13: Infectious disease**

**REQUIREMENT 6A14: Nephrology**

**REQUIREMENT 6A15: Neurosurgery**

**REQUIREMENT 6A16: Neurology**



**REQUIREMENT 6A17: Nuclear medicine**

**REQUIREMENT 6A18: Ophthalmology**

**REQUIREMENT 6A19: Orthopedic surgery**

**REQUIREMENT 6A20: Otolaryngology/head and neck surgery**



**REQUIREMENT 6A21: Pathology**

**REQUIREMENT 6A22: Physical medicine and rehabilitation**

**REQUIREMENT 6A23: Plastic, reconstructive, and maxillofacial surgery**

**REQUIREMENT 6A24: Preventive medicine**



**REQUIREMENT 6A25: Pulmonology**

**REQUIREMENT 6A26: Radiology**

**REQUIREMENT 6A27: Rheumatology**

**REQUIREMENT 6A28: Thoracic/cardiothoracic surgery**



**REQUIREMENT 6A29: Urology**

**REQUIREMENT 6A30: Vascular surgery**

**REQUIREMENT 6B: Describe the additional educational requirements for the FIVE specialties or subspecialties you chose in 6a.**

**REQUIREMENT 7: Do the following:**



**REQUIREMENT 7A:** Visit a physician's office, preferably one who delivers "primary care." (This may be that of your counselor.) Discuss the components of a medical history and physical examination (an official BSA health form may be used to guide this discussion), and become familiar with the instruments used.

*If this cannot be arranged, demonstrate to your counselor that you understand the components of a medical history and physical, and discuss the instruments involved.*

**REQUIREMENT 7B:** Describe the characteristics of a good diagnostic test to screen for disease (e.g., routine blood pressure measurement). Explain briefly why diagnostic tests are not "perfect."

**REQUIREMENT 7C:** Show how to take a blood pressure and a pulse reading.

**REQUIREMENT 8:** Do the following:



**REQUIREMENT 8A:** Discuss the roles medical societies, employers, the insurance industry, and the government play in influencing the practice of medicine in the United States.

**REQUIREMENT 8B:** Briefly tell how your state monitors the quality of health care within its borders, and how it provides care to those who do not have health insurance.

**REQUIREMENT 9:** Compare and discuss with your counselor at least two types of health care delivery systems used throughout the world.

**REQUIREMENT 10:** Serve as a volunteer at a health-related event or facility in your community (e.g., blood drive, "health fair," blood pressure screening, etc.) approved by your counselor.