



Medicine

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: [Online Resources](#).

Send comments to: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: February 2008.

Scout's Name: _____ Unit: _____

Counselor's Name: _____ Counselor's Ph #: _____

1. Discuss with your counselor the influence that EIGHT of the following people had on the history of medicine:

a. Hippocrates _____

b. William Harvey _____

c. Antoine van Leeuwenhoek _____

d. Edward Jenner _____

e. Florence Nightingale _____

f. Louis Pasteur _____

g. Gregor Mendel _____

h. Joseph Lister _____

i. Robert Koch _____

j. Wilhelm Conrad Roentgen _____

k. Marie and Pierre Curie _____

l. Walter Reed _____

m. Karl Landsteiner _____

n. Alexander Fleming _____

o. Jonas Salk _____

p. James Watson and Francis Crick _____

2. Explain the Hippocratic Oath to your counselor, _____

and compare to the original version to a more modern one. _____

Discuss to whom those subscribing to the original version of the oath owe the greatest allegiance. _____

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. _____

4. Do the following:

a. Describe the roles the following people play in the delivery of health care in your state. (Note: Not all may exist in your state.)

1. Physician _____

2. Chiropractor _____

3. Optometrist _____

4. Podiatrist _____

5. Pharmacist _____

6. Psychologist _____

7. Physician's assistant _____

8. Nurse practitioner _____

9. Nurse-midwife _____

10. Registered Nurse _____

11. Licensed vocational/practical nurse _____

12. Medical assistant _____

13. Emergency medical technician _____

- 14. Medical laboratory technologist _____
- 15. Radiologic technologist _____
- 16. Physical therapist _____
- 17. Occupational therapist _____
- 18. Respiratory therapist _____

b. Describe the educational and licensing requirements for five of those in 4a --other than 4a(1)- - practicing health care in your state.

Health Care Practitioner	Describe the educational and licensing requirements
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

5. a. Tell what is meant by the term "primary care" with regard to a medical specialty. _____

Briefly describe the types of work done by physicians in the following "core" specialties:

- 1. Internal medicine* _____
- 2. Family practice* _____
- 3. Obstetrics/gynecology* _____
- 4. Pediatrics* _____
- 5. Psychiatry _____
- 6. Surgery _____

b. Describe the additional educational requirements for these specialties.

- 1. Internal medicine* _____
- 2. Family practice* _____
- 3. Obstetrics/gynecology* _____
- 4. Pediatrics* _____
- 5. Psychiatry _____
- 6. Surgery _____

6. a. Briefly describe the types of work performed by physicians in FIVE of the following specialties or subspecialties:

- 1. Allergy/immunology _____
- 2. Anesthesiology _____
- 3. Cardiovascular disease _____
- 4. Colon and rectal surgery _____
- 5. Dermatology _____
- 6. Emergency Medicine _____

- 7. Endocrinology and metabolism _____
- 8. Gastroenterology _____
- 9. Geriatric medicine _____
- 10. Hematology/oncology _____
- 11. Infectious disease _____
- 12. Nephrology _____
- 13. Neurological surgery _____
- 14. Neurology _____
- 15. Nuclear medicine _____
- 16. Ophthalmology _____
- 17. Orthopedic surgery _____
- 18. Otolaryngology/head and neck surgery _____
- 19. Pathology _____
- 20. Physical medicine and rehabilitation _____
- 21. Plastic, reconstructive, and maxillofacial surgery. _____
- 22. Preventive medicine _____
- 23. Radiology _____
- 24. Rheumatology _____
- 25. Thoracic/cardiothoracic surgery _____
- 26. Urology _____
- 27. Vascular surgery _____

b. Describe the additional educational requirements for the five specialties or subspecialties you chose in 6a.

7. a. 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. _____

b. 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. _____

c. Show how to take a blood pressure reading and a pulse reading. _____

8. Do the following:

a. Discuss the roles medical societies, _____

the insurance industry, _____

and the government play in influencing the practice of medicine in the United States. _____

b. 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. _____

9. Compare and discuss with your counselor the health care delivery systems in the United States, _____

Sweden, _____

and China. _____

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. _____

* "Primary care" specialties ** 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.

Online Resources *(Use any Internet resource with caution and only with your parent's or guardian's permission.)*

Merit Badge Workbooks: usscouts.org -or- meritbadge.org

► **Merit Badge Books:** www.scoutstuff.org

Boy Scouts of America: <http://www.scouting.org/> ► [Requirements](#) ► [Intro to Merit Badges](#) ► [Guide to Safe Scouting](#)

American Medical Association: <http://www.ama-assn.org>

Centers for Disease Control: <http://www.cdc.gov>

drkoop.com: <http://www.drkoop.com>

healthfinder: <http://www.healthfinder.gov>

Mayo Clinic: <http://www.MayoClinic.com>

U.S. Dept of Health: <http://www.health.gov/NHIC>

National Institutes of Health: <http://nih.gov>