



Medicine

Merit Badge Workbook

This workbook is not required but is designed to help you with this merit badge. No one can add or subtract from the Boy Scout Requirements #33215. Use page backs & add pages as needed. Please send comments to: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: January 2005.

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) The invention of Gunpowder _____

(c) William Harvey _____

(d) Antoine van Leeuwenhoek _____

(e) Edward Jenner _____

(f) Florence Nightingale _____

(g) Louis Pasteur _____

(h) Gregor Mendel _____

(i) Joseph Lister _____

(j) Robert Koch _____

(k) Wilhelm Conrad Roentgen _____

(l) Marie and Pierre Curie _____

(m) Walter Reed _____

(n) Karl Landsteiner _____

(o) Alexander Fleming _____

(p) Jonas Salk _____

(q) 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.**