



Seymour High School Course Syllabus- EMT-Basic - Mrs. Dyer



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Subject Area: Science

Course Title: Emergency Medical Technician-Basic

Required Text Books/Resources/Materials:

- **Emergency: Care and Transport of the Sick and Injured.** AAOS. 2017
- Three-ring binder (preferably 2" or larger)
- Loose-leaf paper
- Pen, pencil, highlighter, Colored pencils
- Regular Internet Access

Course Description: The purpose of the Emergency Medical Technician-Basic (EMT-B) course is to provide students with an academic and working knowledge to become State-certified and to provide basic life support patient care. It provides the basic concepts of emergency care which are needed to function as an EMT-B. This class will be helpful for other healthcare fields and can be used as a prerequisite for many medical professions such as becoming a nurse, physician's assistant, doctor or pharmacist.

The EMT-B course is an approximately 190-hour didactic and 20-hour clinical course to teach basic life support procedure and emergency care and transport. After completion of the EMT-B course, the students should be able to perform life support procedures in a safe and accurate manner. Students will work as a team to recognize a medical emergency, assess an emergency situation, make a physical examination, obtain patient medical history, and be able to initiate the appropriate and non-invasive treatments for all types of emergencies. The EMT-B course will also prepare individuals to check the equipment and supplies of an ambulance and cooperate with other agencies, such as police and fire departments, in order to care for and transport the patient in the most appropriate and fastest way possible. Students will need to participate in 20-40 hours of clinical outside the school day.

Course Objectives:

1. Describe the roles of EMS in the health care system.
2. Demonstrate the professional attributes expected of EMT-B's.
3. Perform the roles and responsibilities of an EMT-B with regard to personal safety and wellness, as well as the safety of others as outlined in the objectives in the course text.
4. Perform the duties of an EMT-B with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice as outlined in the course text.
5. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients as outlined in the course text.
6. Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.

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7. Assess and manage patients of all ages with a variety of complaints, medical conditions, and traumatic injuries.
8. Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

Course Pathway at Seymour High School: Describe other courses at SHS that students can pursue if they like or excel in this class.

- *AP Biology* - studying topics such as cellular and molecular biology, enzymes, energy transformations, photosynthesis, respiration, ecological, evolutionary and ethological biology
- *Forensics* - (1/2 year course) studying topics such as crime scene investigations, fingerprinting, DNA analysis
- *Anatomy and Physiology* - studying 10 systems composing the human body (good prep for a career in a health field)
- *AP Chemistry* - studying topics such as atomic theory/structure, thermodynamics, organic chemistry and nuclear chemistry
- *AP Environmental Science* - studying topics relating to environmental problems and human impact to Earth
- *Physics* - studying topics such as forces, motion, sound, light waves, electricity and magnetism

Assessment Information:

- Students can expect DAILY quizzes that could be online or paper and pencil and at least one test per chapter /unit (some chapters may also be combined), DAILY homework and class work assignments, and weekly/bi-weekly lab assignments. Projects will be given approximately once per marking period. My goal is to offer many avenues to demonstrate your mastery of the content and practices of biology. Please keep in mind that you are expected to complete authentic work (done by you only). Collaboration is encouraged, however, I am expecting each student to turn in authentic work. Please do not be dishonest by copying another's work OR allowing someone to copy your work. BOTH of these actions will result in a zero for both parties. In addition, please do not plagiarize your work from other materials. You can avoid this by CITING your sources when using other textbooks and/or the Internet.
- Students will be required to complete at least one study guide and/or review guide for each unit/chapter we cover. It is expected that you work on these assignments as we progress through the material. I will "chunk" the work for you, but I will not collect the completed study guides until the day of your tests.
- There will be notebook checks throughout the year that will count as a test grade. Most times the notebook checks will be unannounced, so be sure to have your notebook ready at all times!
- Tests and quizzes will be given frequently throughout the marking period. Prior notice will be given for chapter/unit tests; quizzes may be given WITH or WITHOUT prior notice.

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Grading Criteria:

Every quiz, homework, test, lab, project and activity that is graded will be worth a certain amount of points (i.e. tests are worth 100 points, quizzes can range from 20-50points). Quarter grades are simply the average of points earned divided by the amount of assigned, or possible points. For example, if I assign 1000 possible points in a marking period and you earn 752 of those points, your average is a 75.2, or a 75/C.

- **Extra Credit** may be offered at my discretion throughout the year and can only be available to the entire class. **Extra credit will not be offered to individual students.**
- **Projects** assigned will be accompanied by grading guidelines.
- **Attendance Policy.** Please note the attendance policy in your student handbook. Frequent **tardiness AND absenteeism** can result in the loss of credit DESPITE a passing grade. ****If you are absent or tardy more than the allowed times per the state of CT you will not be allowed to test at the state or national level for your EMT!!****
- **Midterm/Final Exams** are worth 20% of your final average (10% each). Each marking period is also worth 20%. ****In order to be considered for state or national testing, you MUST take the final exam and successfully pass it!!****
- **Late assignments** are **NOT** accepted
- **Grades** will be posted on PowerSchool frequently. Please e-mail me with any questions.
- **Make-up work.** It is the responsibility of the student to obtain and complete make-up work for excused absences. Labs, tests, and quizzes must be made up after class at a prearranged time.
- **Academic Honesty** is expected at all times and on ALL assignments. Please refer to the handbook for the details of consequences for academic dishonesty.

Homework Expectations:

- Homework in the Seymour Public Schools is an essential part of the school program. Students in biology can expect homework assignments after every class totaling about 1 hour of time. It is the responsibility of the student to clarify any questions regarding homework before leaving my class. It is very easy to fall behind in this course, so it is of utmost importance to stay on top of the workload. **YOU WILL NEED TO READ THE ENTIRE EMT BOOK OUTSIDE OF THE SCHOOL DAY.**
- Most of the workbook assignments and chapter tests will be online so regular access to a computer and internet is a requirement.
- There will be components of the course that must be completed outside of the normal class period (NIMS and ICS-due dates will be given for those).
- Students are expected to hand in or present their homework **ON TIME**. This may mean **BEFORE** the class meeting time if it is an online assignment.
- Students are responsible for any work missed due to absences from class. Assignments are due the next day the student is present in school or can be submitted to me via email. There are State requirements as to how many hours a student must be present in the class before they are not eligible for State testing.
- Please meet with me or email me to discuss extenuating circumstances or to develop a plan for handing in missed work if the absence was extended.

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Lab Safety:

- We will engage in multiple practical activities throughout the school year. Students will be provided with a **Flinn Scientific Safety Contract**. It is important that both you and your parent/guardian READ and SIGN the contract. No activities can be performed until this document is submitted. An additional copy of this contract can be found on Google Classroom.

Classroom Expectations:

- **Respect** yourself, your teacher, and your classmates at all times.
- **Be on time!** Students are expected to be in their seat and ready when the bell rings. Students arriving tardy will class will be sent to office for a tardy pass and issued an office detention. Please see the school attendance policy in the student handbook for further details.
- **Required materials** must be brought to class every day.
- **No electronic devices** without permission.
- **All school rules** will be followed as stated in the student handbook.
- The laboratory and room must be clean by the end of the period.
- Follow instructions provided by the teacher or on the activity.

Keys for Success in EMT-B:

- Have a positive attitude!
- Ask for extra help when needed. Do not wait until the day before a test if you are struggling!
- Ask lots of questions if something is unclear from the lab, textbook, or discussion.
- Please understand that the purpose of homework and labs are to reinforce concepts we are covering as well as promote scientific inquiry and literacy.
- **READ** and outline your textbook regularly. If there is not “officially” homework, you are expected to continuously review materials from class and read the textbook to reinforce concepts.
- Keep your notebook organized.
- Study early, frequently, and in small doses.
- Set up a study group with friends.

For Parents:

- **COMMUNICATION is the KEY to success for your child.**
- In order to keep open the lines of communication between teacher, parent/guardian and student, please check PowerSchool frequently, and class information will be posted in Classroom, so it highly recommended that you accept the request Google Classroom request that you receive if you have not done so previously.
- PLEASE feel free to email me through Edline or directly at ddyer@seymourschools.org, or call at 203.888.2561, Extension 1092.
- I am free to meet most days after school. Please meet with me to set up a time that works for both of us.

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Seymour High School Course Scope and Sequence
Course Title: Emergency Medical Technician-Basic
Instructor: Dyer
Credits: 1.5

**There will be a unit test EACH month. The readings are expected to be completed PRIOR to coming to class! Expect a pop quiz every single class.

***Every month we will be spending time completing the practical skills!!

Month	Chapter	Topic
August	Course Introduction	N/A
	CPR	N/A
September	1	EMS Systems
	2	Workforce Safety and Wellness
	3	Medical, Legal, and Ethical Issues
	4	Communications and Documentation
	5	Medical Terminology
	6	The Human Body
October	7	Life Span Development
	8	Lifting and Moving Patients
	9	Patient Assessment
	10	Airway Management
	11	Principles of Pharmacology

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	12	Shock
November	13	BLS Resuscitation
	14	Medical Overview
	15	Respiratory Emergencies
	16	Cardiovascular Emergencies
	17	Neurologic Emergencies
December	18	Gastrointestinal and Urologic Emergencies
	19	Endocrine and Hematologic Emergencies
	20	Immunologic Emergencies
	21	Toxicology
	22	Psychiatric Emergencies
January	23	Gynecologic Emergencies
	24	Trauma Overview
	25	Bleeding
	26	Soft-Tissue Injuries
	27	Face and Neck Injuries
February	28	Head and Spine Injuries
	29	Chest Injuries
	30	Abdominal and Genitourinary Injuries
	31	Orthopaedic Injuries
	32	Environmental Injuries

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March	33	Obstetrics and Neonatal Care
	34	Pediatric Emergencies
	35	Geriatric Emergencies
	36	Patients with Special Challenges
	37	Transport Operations
April	38	Vehicle Extrication and Special Rescue
	39	Incident Management
	40	Terrorism Response and Disaster Management
	41	A Team Approach to Health Care
May	REVIEW	Review and Testing
June	TESTING	FINAL WRITTEN AND PRACTICAL TEST

- I will try to stick to the schedule as much as possible but I reserve the right to change the order or timing of chapters based on the needs of the class as a whole.