

MASCONOMET REGIONAL SCHOOL DISTRICT

COURSE NAME: EMT-BASIC

COURSE NUMBER: 2971

DEPARTMENT: HEALTH/GUIDANCE

GRADE LEVEL(S): 12

LENGTH OF COURSE: 1 YEAR

Course Description:

EMT-B is a yearlong elective course for students interested in developing the skills and medical knowledge needed by Emergency Medical Technicians. Upon successful completion of the 120-hour course, tests, and skill stations, students will be prepared to take the Massachusetts State and National Registry of Emergency Medical Technicians exams for both state and national EMT-B certifications. Topics include bleeding, shock, wounds, fractures, seizures, scene safety and control, drug overdose, childbirth, sudden illness, poisoning, burns, airway management, infection control, sudden illness, documentation, pre-hospital communication, patient transportation, defibrillation and rescue. Skill stations in splinting, CPR, bandaging, defibrillation, oxygen administration, spine immobilization, and assessments will be taught. This course requires attendance for 95% of classes. Students will complete 8-12 hours of field experience during the class (a combination of ambulance and Emergency Department hours).

Attendance for all classes is mandatory for EMT-B certification. Students who miss classes will be responsible for making up work and course time by completing the following:

- Submit a two-page, typed summary of the material covered in the chapter that was discussed on the day that you were absent
- Students missing more than 16 classes will not be eligible to take the State or National Exam, but may still pass the course for credit.
- Any student who willfully skips a class will not be recommended for the State Exam.

Objectives:

Students will become familiar with the EMS system and develop the knowledge and skills required to safely implement patient assessment, care and transport.

Students will become certified in Professional Rescuer CPR.

Students will utilize appropriate medical terminology and acronyms when describing medical/trauma situations.

Students will perform and document 5 Patient Assessments.

Students will proficiently demonstrate the skills of CPR, spine immobilization, splinting, taking vital signs and patient assessment.

Materials and Activities:

This course will utilize the following texts:

- *Emergency Care & Transportation of the Sick and Injured, Pediatric Education for the Prehospital Provider, Professional Rescuer CPR*

This course will utilize the following types of activities:

- Homework- Readings in the EMT textbook.
- Discussion- Students will analyze medical and trauma scenarios and establish appropriate responses in case studies.
- Skill Development- Each student will successfully demonstrate the skills of CPR, spine immobilization, splinting, taking vital signs and patient assessment.
- AV Aids- Keynote presentations and videos will be used in training.
- Evaluation- Module exams will evaluate student academic learning.

Scope and Sequence:

The following modules will be covered:

1. Introduction to Emergency Medical Services
2. Airway Management
3. Patient Assessment
4. Medical Emergencies
5. Trauma Emergencies
6. Special Populations
7. EMS Operations

These topics support the **Massachusetts Health Education Curriculum Framework**.

Students learn medical terminology**A1**, assessment of sick and injured people**A3**, and teamwork techniques when dealing with emergency scenes**C3**. Upon successful completion of the course, tests, and skill stations, students earn First Responder certification (National DOT Guidelines) as well as a BLS Healthcare Provider CPR card. Topics include bleeding, shock, wounds, fractures, seizures, scene safety and control, drug overdose, childbirth, sudden illness, poisoning, burns, airway management**A3**, infection control, sudden illness, and rescue.

Assessment:

- Tests: Tests are designed to test the specific objectives and content of each module.
- Homework Evaluation: Each student's written homework is collected and evaluated on the basis of quality, accuracy and neatness.
- Class Participation: Each student is expected to actively participate in discussion based on the individual student's ability to contribute orally.
- Final Examination: This test is given at the end of the year to evaluate the major objectives and content of the course. It consists of basic concepts, historical events, and skills.

Expectations Addressed:

Academic Expectations

1. Students will communicate effectively.
3. Students will use problem-solving skills.
4. Students will use a variety of technological and informational resources to gather, analyze, and synthesize facts, results, ideas, and concepts.

Social Expectations

1. Students will assume responsibility for their own behaviors.
2. Students will contribute to the well-being and welfare of others within the school community.
3. Students will demonstrate respect for themselves and others.

Civic Expectations

1. Students will participate in decision making and team building activities.
2. Students will demonstrate and practice an understanding of the rights and responsibilities of citizenship.
3. Students will make positive contributions to the community.