The Fire Science Program at West Sound Tech introduces students to the many career opportunities available in the Fire Science field. Students will learn the academic and technical requirements associated with being a Firefighter, focusing on safety first. Students will learn to use fire fighting equipment including: Turnout Gear, Hoses, SCBAs, and a working Fire Engine.

I. STUDENT OUTCOMES

After completing the 2 year course the student will have met the Academic sections for Firefighter I in the NFPA® 1001, 2013 edition, *Standard for Fire Fighter Professional Qualifications*.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Student Competencies</th>
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</table>
| Career Planning and Personal Success      | ● Create a personal career portfolio to include: resume cover letter, academic, certifications and technical-skills attainment.  
                                          | ● Apply knowledge gained from individual assessments to develop a set of goals and career plan, showing transition from high school to career entry.  
                                          | ● Implement effective study skills for academic success.  
                                          | ● Develop S.M.A.R.T (Specific, Measurable, Attainable, Realistic, Timely) goals. |
| Employability and Entrepreneurship        | ● Evaluate the impact of personal choices and their effect on Employability.  
                                          | ● Model the characteristics of effective leadership, teamwork, and conflict management. |
| Problem Solving                          | ● Employ critical thinking skills independently and in teams to solve problems and make decisions.  
                                          | ● Employ critical thinking and interpersonal skills to resolve conflicts.  
                                          | ● Select potential solutions based on reasoned criteria. |
| Workplace Health and Safety               | ● Describe personal and jobsite safety rules and regulations that maintain safe and healthy work environments.  
<pre><code>                                      | ● Explain emergency procedures to follow in response to workplace accidents. |
</code></pre>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>● Create a disaster and/or emergency response plan.</td>
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<td></td>
<td>● Identify and apply OSHA, EPA, and Right-to-know policies, regulations, and procedures in the workplace.</td>
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<td>● Identify, describe, and demonstrate the effective use of Safety Data Sheets.</td>
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<td>● Demonstrate use of relevant safety gear and Personal Protective Equipment.</td>
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<td></td>
<td>● Identify practices to avoid accidents.</td>
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<tr>
<td>Teamwork and Cooperation</td>
<td>● Establish and maintain effective working relationships with others.</td>
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<td></td>
<td>● Cooperate rather than compete with others.</td>
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<td></td>
<td>● Listen and consider the ideas of team members.</td>
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<td>● Communicate changes or problems to team members.</td>
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<td></td>
<td>● Treat everyone with respect and understanding.</td>
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<td></td>
<td>● Employ mentoring skills to inspire and teach others.</td>
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<tr>
<td>Legal/Ethics: Rules, Regulations, Information Collection, OSHA</td>
<td>● Evaluate a solution to complex real-world problems and prioritize criteria and tradeoffs that account for a range of constraints including cost, safety, reliability, and cultural and social impact.</td>
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<tr>
<td></td>
<td>● National Fire Protection Association standards and accountability criteria.</td>
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<tr>
<td>Entrance Requirements</td>
<td>● Firefighter 1 Standards for personnel developed and validated by the local jurisdiction.</td>
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<tr>
<td></td>
<td>● Understand the minimum educational and age requirements established by the local jurisdiction.</td>
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<tr>
<td>Fire Service General Requirements</td>
<td>● The organization of a Fire Department. Requirements</td>
</tr>
<tr>
<td></td>
<td>● The role of FireFighter 1 in the organization.</td>
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<td></td>
<td>● The History and Mission of the Fire Service.</td>
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<td></td>
<td>● The Fire Department’s Standard Operating Procedures (SOPs) and rules and regulations as they apply to the Fire Fighter I.</td>
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<td></td>
<td>● The value of Fire and Life Safety initiatives in support of the Fire Department mission and to reduce FireFighter line-of-duty injuries and fatalities.</td>
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<tr>
<td>Fire Department Communications</td>
<td>● Initiate the response to a reported emergency.</td>
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<td>● The ability to operate fire station telephone and intercom equipment.</td>
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<td></td>
<td>● Transmit and receive messages via the Fire Department radio.</td>
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<tr>
<td></td>
<td>● Activate an Emergency Call for assistance.</td>
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</tbody>
</table>
| **Fire Ground Operations** | • Respond on apparatus to an emergency scene.  
• Establish and operate in work areas at emergency scenes.  
• Connect a fire department pumper to a water supply.  
• Force entry into a structure.  
• Turn off building utilities.  
• Set up ground ladders.  
• Extinguish fires in exterior Class A materials.  
• Extinguish incipient Class A, B, and C fires.  
• Attack an interior structure fire.  
• Conduct a search and rescue in a structure.  
• Attack a passenger vehicle fire.  
• Perform horizontal ventilation.  
• Complete SCBA donning procedures.  
• Demonstrate the ability to control breathing, replace SCBA air cylinders.  
• Use SCBA to exit through restricted passages.  
• Initiate and complete emergency procedures.  
• Select and tie appropriate the knot for the task at hand. |
| **Rescue Operations** | • Extricate a victim entrapped in a motor vehicle, assist rescue operation teams. |
| **Fire and Life Safety Initiatives, Preparedness, and Maintenance** | • Perform a Fire Safety Survey, present Fire Safety information to station visitors prepare Fire Safety information to station visitors, prepare a pre-incident survey, maintain power plants, power tools, and lighting equipment, perform an annual service test on fire hose. |
| **Wildland Fire** | • Meet physical fitness requirements, apply a basic understanding of wildland firefighter training: Introduction to ICS (1-100), apply a basic understanding of NIMS: (IS-700), Understand incident command, Understand wildland fire behavior (S-190), firefighter training (S-130), recognize human factors in the wildland fire service. |
| **Fire Service Hazardous Materials Awareness Training** | • Recognize and identify hazardous materials, initiate Control Zones.  
• Understand and apply information from the Emergency Response Guidebook. |
| **CPR & First Aid** | • Attain First Aid/CPR Certificate.  
• Demonstrate proper use of AED.  
• Understand what Blood Borne Pathogens are and demonstrate the use of Personal Protective Equipment.  
• Demonstrate skills of an Emergency Service provider with a clear understanding of Basic Life Support, Write incident reports. |
| Emergency Vehicle Operations (EVIP) | ● Defensive driving attitudes.  
● Vehicle operation factors.  
● Emergency driving procedures. |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical Training             | ● Perform a candidate physical agility test,  
● Document daily Physical Training. |
| Health and Nutrition          | ● Create and document a Health Log (meals, sleep, stress, exercise).  
● Understand the relationship between health and hydration, understand the essential nutrients, demonstrate the ability to make nutritional choices using food labels, determine and choose healthy life choices.  
● Evaluate Critical Incident Stress debriefing. |
| Communication: Interpersonal, Cultural, and Digital | ● Understand and improve communication skills, including interpersonal skills and communication within an emergency medical services setting.  
● Apply speaking and active listening skills.  
● Develop basic observational skills and related documentation strategies in written and oral form.  
● Identify characteristics of successful and unsuccessful communication, including communication styles and barriers.  
● Interpret and respond to verbal and nonverbal communication cues in an appropriate manner.  
● Read, write, speak, and understand English at the level necessary for performing duties.  
● Compose written and electronic communication using correct spelling, grammar, formatting, and confidentiality. |
| Information Technology Applications | ● Describe technology applications used in Fire and Emergency Services.  
● Use information technology applications required within all Fire and Emergency Services professional specialties. |
| Safety and Emergency Situations | ● Recognize and practice Safety and Security procedures.  
● Demonstrate ability to perform safe practices by adhering to principles of body mechanics and standard precautions Demonstrate proper body mechanics, care of patients. |
II. COLLEGE CREDIT
Students earning a “B” grade or better AND meeting all articulation requirements earn the following Bates Technical College Credit in this class:
- Fires (101): Bates Technical College (2 credits)
- Fires (102): Bates Technical College (4 credits)
- Fires (103): Bates Technical College (5 credits)
- Fires (104): Bates Technical College (1 credit)
- Fires (106): Bates Technical College (3 credits)

III. EQUIVALENCY CREDIT
Students may earn equivalency credit in a general academic subject area while completing this course. The following equivalency credit may be earned in this class:
- Health
- P.E.
- Science

IV. CERTIFICATIONS:
During the year you will have opportunities for numerous Certifications. Below is a partial list of certifications that will be made available to you:
- CPR/AED and First Aid
- Blood borne Pathogens
- IS-100.c Introduction to the Incident Command System
- IS-320 Wildfire Mitigation Basics for Mitigation Staff
- IS-700.b Introduction to the National Incident Management System

V. TEXTBOOKS AND MATERIALS
Provided by the West Sound Tech:
2. Firefighter Turn-out Gear (Helmet, Jacket, Pants, Gloves, Boots)
3. Rope and Webbing

Provided by the student:
1. Uniform Shirt and Pants – Please do not purchase Shirt or Pants prior to the start of school; we will make a group purchase once we know everyone’s sizes. Information on purchasing Uniform Shirt and Pants will be available the 2nd week after school starts.
2. Black Leather work boots with laces in the front (at least ankle high) that can be shined - and a can (not a bottle or applicator) of Black Shoe Polish.
4. A plain black belt.
5. A padlock for your locker. Lockers are small - 12” high X 13” wide X 14” deep.
6. 2" 3 Ring binder and paper  
7. Single Subject notebook/Composition Book  
8. Box of Nitrile gloves (fit to your hand S,M, L, XL) NO LATEX gloves  

**Physical Fitness Clothes and Shoes:**  
1. Shorts or sweatpants (noeans)  
2. T-shirt and/or sweatshirt.  
3. Tennis or running shoes

**VI. CLASS COSTS/FEES:**  
1. Total cost for Shirt and Pants will not exceed $40.00.  
2. CPR/AED and First Aid Blood borne Pathogens Books and Certification  
   Card cost approximately $27.00.  
   West Sound Tech will accept checks, cash or credit/debit card payments.

**VII. ATTENDANCE:**  
State law (RCW 28A.225.010) and the School Board policy recognize that regular attendance is the basis of success in the classroom. Attendance is especially important at WST because of the significant amount of demonstrations and hands-on learning.

**Steps to follow in case of an absence:**  
1. Student: *Just as you would in the workplace, you MUST contact the instructor by phone, email or Remind if you are to be absent.*  
2. Parents: You MUST contact the office via phone (360-473-0557), email (erin.mckiernan@westsoundtech.org), or a written note. Be sure to include the student’s name, date of absence and reason for absence. Without this communication, the absence will be recorded as an unexcused absence.

**VIII. SIMULATED WORKPLACE REQUIREMENTS**  
Students in this class are exposed to real-life situations and experiences. It is expected that students follow appropriate workplace expectations as expected in the Fire and Emergency Services field.

In this simulated workplace environment, personal electronic devices, including, but not limited to: cell phones, games or mp3 players, may be a disruption to the educational process and are not to be used during class time, unless specifically directed by the Instructor for purposes directly related to the current Lesson or Operation. Refer the to WST Student Handbook for more information.
IX. Leadership & Skills USA

Leadership is a vital component of all career and technical education classes. Each day, students are expected to demonstrate strong leadership and workplace skills: arrive on-time, ready to work, attend daily, demonstrate professional and respectful behavior, problem solving skills, work with diverse groups, and exhibit positive, strong communication skills.

SkillsUSA is a career and technical student organization that creates partnerships among teachers, high school and college students, and industry partners that collaborate together to ensure America has a skilled workforce. Participation in SkillsUSA provides students with the opportunity to demonstrate leadership skills, team building, and communication and presentation skills. In addition to learning the 21st century skills, students have the opportunity to participate in both leadership and technical competitions developed by industry.

X. ACADEMIC INTEGRITY:

Cheating is by definition, an action done by a student to supply work for another student, or turn in work, use work, or rely on work that is not her/his own, other than in circumstances clearly understood to involve collaborative or group learning. District policy requires that the teacher will record a ‘zero’ in the gradebook to communicate lack of evidence. Parents will be notified if a student is caught cheating in the classroom or lab. Subsequent cheating may result in an “F” in the class and possible removal from WST.

XI. INSTRUCTIONAL STRATEGIES:

Instructional strategies used in this classroom include:

- Face to Face Classroom and Field Operations
- Cornell Notes
- Independent Study
- Hands-on activities
- Individual and Group Projects
- Videos and demonstrations
- Fire and Emergency Service Guest Speakers

XII. Grading Criteria:

Grades are based on the following competencies:

- Attain identified knowledge, skills, and abilities as well as Industry Standards
- Demonstrate knowledge and application of related theory
- Demonstrate attainment of 21st century skills
- Quality of work completed
- Adherence to all safety rules and expectations
Categories and associated percentage points for each category:

- Daily Work: Journals, Entry Task, in-class work, homework 20%
- 21st Century Skills: 10%
- Unit Assessments: Chapter Tests and Skills Evaluations 50%
- Unit Projects: Class Projects 20%

XIII. Grading Scale:

<table>
<thead>
<tr>
<th>Standards-Based Grading Description</th>
<th>Letter Grade</th>
<th>Percentage Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exceeds Standards</td>
<td>A</td>
<td>93-100</td>
</tr>
<tr>
<td></td>
<td>A-</td>
<td>90-92</td>
</tr>
<tr>
<td>Meets Standards</td>
<td>B+</td>
<td>87-89</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>83-86</td>
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<tr>
<td></td>
<td>B-</td>
<td>80-82</td>
</tr>
<tr>
<td>Approaching Standards</td>
<td>C+</td>
<td>77-79</td>
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<tr>
<td></td>
<td>C</td>
<td>73-76</td>
</tr>
<tr>
<td></td>
<td>C-</td>
<td>70-72</td>
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<tr>
<td></td>
<td>D+</td>
<td>67-69</td>
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<tr>
<td></td>
<td>D</td>
<td>60-66</td>
</tr>
<tr>
<td>Does Not Meet Standard</td>
<td>F</td>
<td>Below 60</td>
</tr>
</tbody>
</table>

XIV. NON-DISCRIMINATION DISCLOSURE

The Bremerton School District complies with all federal and state rules and regulations and does not discriminate on the basis of sex, race, creed, religion, color, national origin, age, honorably discharged veteran or military status, sexual orientation including gender expression or identity, the presence of any sensory, mental, or physical disability, or the use of a trained dog guide or service animal by a person with a disability in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. This holds true for all students who are interested in participation in educational programs and/or extracurricular school activities.

Inquiries regarding compliance and/or grievance procedures may be directed to the District’s Title IX/RCW 28A.640 Officer and ADA Coordinator, Garth Steedman, at 360.473.1031, email Garth.steedman@bremertonschools.org, or the Section 504 Coordinator, John Welsh, at 360.473.4400, email john.welsh@bremertonschools.org. Mailing address: 134 Marion Avenue North, Bremerton, WA98312.
Review and follow student handbook expectations: every student at West Sound Tech is expected to adhere to all policies and expectations outlined in the Student Handbook.

- **Attendance**: Attendance is expected daily. Students that are absent MUST follow the requirements in the WST student handbook

- **Student Drivers**: Must follow the policy outlined in Student Handbook

- **Academic Integrity Policy**

- **Dress Code/Uniform Requirement**: Follow classroom requirements and expectations for your program and as outlined in the student handbook

- **Safety Policy**: Workplace Safety is paramount. Students are expected to follow all Safety expectations. Each classroom must meet industry safety requirements.

I have read, understand, and agree to the class rules, grading, and expectations outlined in this Syllabus.

_________________________________________  ___________________________  __________
Student Name                          Student Signature                   Date

_________________________________________  ___________________________  __________
Parent/Guardian Name                  Parent/Guardian Signature          Date

Communication between parents/guardians and instructor is extremely important for student success. Please complete the information below and indicate preferred contact method:

Parent/Guardian Cell # ____________________________  Home # _______________________

Parent/Guardian Email: __________________________________________________________