

## CTE Course Description and Standards Crosswalk

### Course Information

Course Name	OPET Part B Semester 1
Course Number	86821
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Outdoor Power Equipment
Date of district Course Revision	February 2015

### Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	SkillsUSA
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### Occupational Standards

Source of Occupational Standards	Engine Equipment Training Council (EETC); Skills USA
Names/Numbers of Occupational Standards	EETC 2&4 Stroke, Electrical; Skills USA Power Equipment Technology (PET)

### Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	OPET B is an extension of OPET 2, a year-long certificate training program in outdoor powered equipment. The program covers employability skills, inventory, dealership management, and advanced troubleshooting. Students will be involved with CTSOs This is a course for students who are interested in marine mechanics, ATVs, snow machines, water craft repair, and tool and rental repair. Students interested in being an outdoor power equipment mechanic or manager either in a small business or dealership would benefit from this class. National EETC (Engine Equipment Training Council) certification tests may be taken.
Instructional Topic Headings (please separate each heading by a semi-colon)	Employability Skills; Safety; Troubleshooting Skills, Engine Theory & Design, Electronic Systems, Fuel Systems, Engine Overhaul, CTSO involvement

### Summative Assessments and Standards

Technical Skills Assessment (TSA)	Yes
Course addresses:	EETC 2 & 4 Stroke, Electrical; SkillsUSA Power Equipment Technology
New Alaska ELA and Math Standards	Yes
Alaska Cultural Standards	Yes
All Aspects of Industry (AAI)	Yes
Core Technical Standards	Yes
Employability Standards	Yes

### Employability Standards

Source of Employability Standards	State of Alaska
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### Tech Prep

Current Tech Prep Articulation Agreement? (Y/N)	N
Date of Current Agreement	
Postsecondary Institution Name	

**DISTRICT NAME: Mat-Su Borough School District**

Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

### Additional CTE Course Information

Author	
Course developed by	Revised by Tom Lord
Course adapted from	OPET
Date of previous course revision	June 2011
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	N

Standards Alignment
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Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
Report engine malfunctions accurately.	EETC 104.4	TD 1,2,3	RST 9-12.3,4; SL 9-12 1a-d L.9-12.6	NQ 1,2,3	B 2,3	A 2,5	Technical Skills	Skills USA PET 4
Diagram power transmissions.	Skills USA PET 7.1-7.3	TD 2,3 TD-MTN 1,2	RST 9-12.3; SL 9-12.4 L.9-12.6	SMD 6,7	B 2,3	A 2,5	Technical Skills	Skills USA PET 7
Diagram all brake systems.	EETC 300.21	TD 2,3 TD-MTN 1,2	RST 9-12.3; SL 9-12.4 L.9-12.6	SMD 6,7	B 2,3	A 2,5	Technical Skills	Skills USA PET 7.2
Understand your occupation and how to interact with other dealership employees.	Skills USA PET 8.1-8.7	TD 1,5,6	WHST 9-12.9; RST 9-	NQ 1,2,3	B 2,3	A 1,2,5,7	Technical Skills	Skills USA PET 5, 6.5, 8.6

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<b>Student Performance Standards (Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standard</b>	<b>Common Technical Core Standards</b>	<b>New Alaska ENG/LA Standards</b>	<b>New Alaska Math Standards</b>	<b>Alaska Cultural Standards</b>	<b>Employability/ Career Readiness Standards</b>	<b>All Aspects of Industry/ Systems</b>	<b>Assessment</b>
			12.1&4; SL 9- 12.4 L.9-12.6					
Differentiate between paperwork and computer duties.	EETC 104.49 Skills USA PET 6.1,6.2	TD 2,3,4 TD-MTN 1,2	RST 9- 12.3&4; SL 9- 12.4 L.9-12.6	NQ 1,2,3 S-IC.6	B 2,3	A 2,5	Technical Skills	Skills USA PET 6, 8.7
Practice skills for maintaining employment.	Skills USA PET 8.1- 8.7	TD1, 5,6	RST 9- 12.1&4; SL 9- 12.4 L.9-12.6	NQ 1,2,3; SMD 6,7	B 2,3	A1-7 B1-5	Technical Skills	Skills USA PET 5.5, 6.5, 8
Demonstrate safe working habits in accordance with OSHA standards.	Skills USA PET 5.1,5.3	TD 1,4,5 TD-HSE 1,2	RST 9- 12.1&4; SL 9-12 1a-d L.9-12.6	NQ 1,2,3	B 2,3	A 2, 5, 6	Technical Skills	Skills USA PET 5.3, 8.1
Establish students to become lifelong learners.	Skills USA PET 8.1- 8.7	TD1, 5,6	WHST 9- 12.9; RST 9- 12.1&4 L.9-12.6	NQ 1,2,3; SMD 6,7	B 2,3	A1-7 B1-5	Technical Skills	Skills USA PET 8
Participate in CTSO clubs.	Skills USA PET 8.1- 8.7	TD1, 5,6	SL 9- 12.4; SL 9-12 1a-d L.9- 12.6		B 2,3	A1-7 B1-5	Technical Skills	Skills USA PET 1-8

**Instructional Resources**

**DISTRICT NAME: Mat-Su Borough School District**

**List the major instructional resources used for this course: (websites, textbooks, essential equipment, reference materials, supplies)**

Small Gas Engines, Alfred C Roth, The Goodheart-Willcox Company, Inc., 2013

Resources:

State of Alaska EED Safety Manual

Occupational Standards: National Skills Standards Board

<http://www.nssb.org>

Assessments available for SkillsUSA

<http://www.skillsusa.org/contests.html>

Assessments available for safety:

<Http://www.eed.state.ak.us/tls/cte/docs/resources/safetymanual.pdf>

OSHA

<http://osha.gov>

US Coast Guard

<http://www.uscg.mil/>

MATE: Marine Advanced Technician Education Center

<http://www.marinetech.org>