

## CTE Course Description and Standards Crosswalk

### Course Information

Course Name	Forest Health & Protection
Course Number	81140
Number of High School Credits	1
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Forest Health & Protection
Date of district Course Revision	December, 2015

### Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	Skills USA
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### Occupational Standards

Source of Occupational Standards	Skills USA
Names/Numbers of Occupational Standards	Firefighting

### Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	This course introduces students to the concepts of natural agents such as insects, fire, wind, drought, ice storms strongly influence forest ecosystem health.
Instructional Topic Headings (please separate each heading by a semi-colon)	Concepts of Forest Health, Ecological Principles, Physical Process of Fires, Fire Ecology and Fire Regimes, Fire Management Organization, Fire Strategies for Forest Health, Forest Diseases, Forest Entomology, Abiotic and Animal-Caused Injuries and the Effect on Forest Health, Career Investigation, Safety, CTSO Involvement, and Employability Skills

### Summative Assessments and Standards

Technical Skills Assessment (TSA)	Skills USA
Course addresses:	Firefighting
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)	No
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

### Additional CTE Course Information

Author	
Course developed by	Galen Sparks, Ray DePriest, Steve Krueger
Course adapted from	
Date of previous course revision	None
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	No

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
Understand the basic concepts of forest health	FF1.0-1.1,1.2,1.3	AG-NR	L.9-10.3.a; L.9-10.6; L.11-12.2.a-b;	MP1, MP2, MP4, MP5,	A5, A7, B2, B4	A1, A2, A3, A6, A7	Technical Production Skills, Principals of Technology	Written, verbal, or demonstration test
Learn ecological principles	FF1.0-1.1,1.2,1.3	AG-NR 1, 3, 4	L.9-10.3.a; L.9-10.6; L.11-12.2.a-b; SL.11-12.1.a-d	MP1, MP2, MP5, MP7	B2, B4	A2, A5	Technical Production Skills, Technology	Written, verbal, or demonstration test
Understand fire as a physical process	FF1.0-1.1,1.2,1.3, 1.6, 1.7, 1.8, 1.9	AG-NR 1	L.9-10.3.a; L.11-12.2.a-b; SL.11-12.1.a-d	MP1, MP2, MP5, MP7	B2, B4	A2, A5, A6	Technical Production Skills, Technology	Written, verbal, or demonstration test

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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>
Understand fire ecology and fire regimes	FF1.0-1.1,1.2,1.3, 1.6, 1.7, 1.8, 1.9 FF 9.0-9.1	AG-NR 4	L.9-10.3.a; L.9-10.6; L.11-12.2.a-b; SL.11-12.1.a-d	MP1, MP2, MP5, MP7	B2, B4	A2, A5	Technical Production Skills, Technology	Written or verbal test
Learn organizing for fire management	FF1.0-1.1,1.2,1.3	AG-NR 2, 4	L.9-10.3.a; L.9-10.6; L.11-12.2.a-b	MP1, MP2, MP3, MP5	A5, B2, B4	A1, A2, A3, A6, A7	Technical Production Skills, Technology	Written or verbal test
Understand fire strategies for forest health	FF1.0-1.1,1.2,1.3	AG-NR 2, 4	L.9-10.3.a; L.9-10.6; L.11-12.2.a-b	MP1, MP2, MP3, MP5	A5, B2	A2, A5, A6	Technical Production Skills, Technology	Written or verbal test
Learn how wind relates to forest health	FF1.0-1.1,1.2,1.3	AG-NR 4, AG-PL 3	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3	A5, B2	A2, A5, A6, B1	Technical Production Skills, Technology	Written, verbal, or demonstration test
Learn forest diseases and their effect on forest health	FF1.0-1.1,1.2,1.3	AG-NR 2, 3, 4	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3, MP5, MP6, MP7, MP8	A5, B2	A2, A5, A6, B1	Technical Production Skills, Technology	Written or verbal test
Learn basic forest entomology	FF1.0-1.1,1.2,1.3	AG-NR	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3, MP5	A5, B2	A2, A5, A6, B1	Technical Production Skills, Technology	Written or verbal test
Learn various Abiotic (nonbiological) and animal-caused injuries and their effect on forest health	FF1.0-1.1,1.2,1.3	AG-NR 3, 4	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3, MP5	A5, B2, B4	A1, A2, A3, A6, A7	Technical Production Skills, Technology	Written, verbal, or demonstration test
Investigate Careers in Forestry, research job opportunities in	FF1.0-	AG-NR 1,	L.9-	MP1, MP2,	A5, B2,	A2, A5, A6,	Technical	Written,

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Alaska.	1.1,1.2,1.3, 1.7	2, 3	10.3.a; L.9-10.6 L-10.3a	MP3	B4	B1	Production Skills, Technology	verbal, or demonstration test
Demonstrate safe use of tools and equipment in the workplace.	FF1.0-1.1,1.2,1.3, 1.7- FF 2.0-FF 3.0	AG-NR 2	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3, MP5	A5, B2	A2, A5, A6, B1	Business Planning, Community Issues, Finance	Written, verbal, or demonstration test
Participate in CTSO (SkillsUSA, HOSA, BPA) practicing leadership skills.	FF 1.0, 2.0, 3.0, 4.0, 5.0	AG-NR 2	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3	A5, B2	A1, A2, A6, A7	Personal Work Habits, Labor	Classroom observation, competition
Learn, model and develop employability skills (punctuality, work ethic, integrity, honesty, etc).	FF 1.0, 2.0, 3.0, 4.0, 5.0	AG-NR	L.9-10.3.a; L.9-10.6	MP1, MP2, MP3	A5, B2, B4	A1, A2, A3, A4, A5, A6, A7, B1	Personal Work Habits, Labor, Management, Community Issues	Placement and participation in competition

**Instructional Resources**

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

**Forest Health and Protection – 2<sup>nd</sup> Edition (ISBN 1-57766-652-6)**