



ARBORIST

Arborists provide professional tree care. They use rigging to ascent trees. Youth Apprentices plant trees and shrubs inspect trees and shrubs and perform pruning cuts.

Length of Apprenticeship: One or Two years

COMPETENCIES

Youth apprentices work with a job site mentor to demonstrate the following competencies.

Year 1: Youth apprentices must complete a **total of 11** competencies. **Ten** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Year 2: Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. Those skills should be added to the competency list for assessment.

Tool Note: Youth apprentices cannot start or use chainsaws or chippers.

YEAR 1 Competencies	YEAR 2 Competencies
1. Inspect, maintain, and use appropriate personal protective equipment (PPE)	1. Identify common deciduous trees and shrubs
2. Inspect vehicles and towed units	2. Identify common conifer trees and shrubs
3. Conduct a basic tree inspection	3. Identify signs and symptoms of common damaging insects/mites
4. Establish a safe work zone	4. Identify signs and symptoms of common diseases
5. Inspect the following equipment in accordance with American National Standard (ANSI Z133) Safety Requirements for Arboricultural Operations	5. Use a rigging system to lower the load directly to the ground
6. Install work positioning lines from the ground	6. Maneuver through canopy
7. Ascend the tree	7. Prepare the chainsaw for others to use
8. Descend from tree	8. Perform chainsaw field maintenance
9. Retrieve all gear	9. Demonstrate a natural pruning
10. Prepare to chip	10. Perform pruning of shrubs
11. Perform pruning cuts	

REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

The following Registered Apprenticeship is available in this area:

- Arborist



YOUTH APPRENTICE INFORMATION

Youth Apprentice Name	
YA Coordinator	YA Consortium
School District	High School Graduation Date

REQUIREMENTS

Level One Requirements

Youth apprentices must complete ALL the items listed below. Check completed areas.

- Year 1 Competency checklist
- Employability Skills checklist (in this OJL Guide) or the DPI Employability Skills Certificate
- Related instruction equal to 1 high school credit or at least 3 college credits
- Minimum of 450 work hours

Level Two Requirements

Youth apprentices must complete ALL the items listed below. Check completed areas.

- Year 2 Competency checklist
- Employability Skills checklist (in this OJL Guide) or the DPI Employability Skills Certificate
- Related instruction equal to 2 high school credits or at least 6 college credits
- Minimum of 900 work hours

HOURS

Record the hours the youth apprentice worked.

Total Hours Employed	Company Name	Telephone Number

SIGNATURES

The On-the-Job Learning Performance Standards Guide includes a list of competencies youth apprentices learn through mentoring and training at the worksite.

Instructions for the Worksite Employers/Mentors and School-Based or YA coordinators.

This document should be reviewed with the employer / mentor, school-based or YA coordinator on a regular basis with the youth apprentice to record progress and plan future steps to ensure completion of the required competencies. Mentors, school-based / YA coordinator, and the apprentice sign below.

Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed
School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed
Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

YEAR 1 COMPETENCIES

Youth apprentices must complete a **total of 11 competencies**. **Ten** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Rating Scale

3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior

2: Meets entry level criteria | Requires some supervision | Often displays this behavior

1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
1. Inspect, maintain, and use appropriate personal protective equipment (PPE) <ul style="list-style-type: none"> • eyes • ears • head • face • hand • legs • feet • high visibility safety apparel 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Inspect vehicles and towed units <ul style="list-style-type: none"> • check oil levels, tire treads, etc. • perform pre and post trip inspections • report issues based on employer guidelines • secure load and equipment • identify gross vehicle weight rating 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Conduct a basic tree inspection <ul style="list-style-type: none"> • locate targets • locate site factors • identify dead crown and branches • identify tree lean and cavities • identify problems with roots and root collars 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Establish a safe work zone <ul style="list-style-type: none"> • place cones and signs • remove cones and signs • follow establish emergency procedures • follow established command and response procedures • display awareness of the drop zone • identify hazards and obstacles 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
<p>5. Inspect the following equipment in accordance with American National Standard (ANSI Z133) Safety Requirement for Arboricultural Operations</p> <ul style="list-style-type: none"> • harness • work positioning line(s) • friction cord/device • work positioning lanyard(s) • all carabiners, snaps, pulleys, related hardware • mechanical ascenders and descenders • friction savers • handsaw 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>6. Install work positioning lines from the ground</p> <ul style="list-style-type: none"> • select a tie in point for ascending the tree • demonstrate a proper throw-line toss • install a friction saver using a throw line • install a work positioning line by attaching it to the throw line • install a work positioning line using a throwing knot toss • install a work positioning line with a pole pruner/saw and a throwing knot or carabiner 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>7. Ascend the tree</p> <ul style="list-style-type: none"> • tie a fiction hitch • test the system by weighting it • demonstrate the body thrusting technique • demonstrate use of alternate lanyard technique 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>8. Descend from tree</p> <ul style="list-style-type: none"> • make sure all loose branches (hangers) are out of tree • remove all gear that is not retrievable from the ground • perform controlled descent 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>9. Retrieve all gear</p> <ul style="list-style-type: none"> • remove rope(s) and gear in a controlled fashion • coil or bag ropes • store rope(s) and gear in proper location 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>10. Prepare to chip (Youth Apprentices cannot start or operate a chipper)</p> <ul style="list-style-type: none"> • position and secure the discharge chute • establish an appropriate area to stage the material • remove hazards and obstacles, place safely away from work zone • stack debris in manageable pile; butt ends first, smaller materials on top 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
11. Perform pruning cuts <ul style="list-style-type: none"> determine the type of pruning cut needed perform a branch removal cut perform a branch reduction cut perform a heading cut use a three-cut method to remove the branch weight prior to the final cut perform a co-dominant stem pruning cut 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Competency Substitute (if you replaced a competency above, note the competency and rating)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			

YEAR 2 COMPETENCIES

Year two youth apprentices must complete a total of **10 competencies**. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Rating Scale

3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior

2: Meets entry level criteria | Requires some supervision | Often displays this behavior

1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
1. Identify common deciduous trees and shrubs <ul style="list-style-type: none"> identify common name identify characteristics of the parts of the trees and shrubs that help identify them 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify common conifer trees and shrubs <ul style="list-style-type: none"> identify common name identify characteristics of the parts of the trees and shrubs that help identify them 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify signs and symptoms of common damaging insects/mites <ul style="list-style-type: none"> identify signs identify symptoms 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
4. Identify signs and symptoms of common diseases <ul style="list-style-type: none"> • identify signs • identify symptoms • identify common abiotic stresses to trees 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Use a rigging system to lower the load directly to the ground <ul style="list-style-type: none"> • tie a rigging attachment knot • demonstrate lowering using butt-tie • demonstrate lowering using tip-tie • demonstrate lowering using balance tie • control the load using a tag line • utilize a re-direct 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Maneuver through canopy <ul style="list-style-type: none"> • re-tie work positioning line at an alternative location • install a friction saver • perform a double tie maneuver • perform a re-direct technique • perform a limb walk • perform a controlled swing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Prepare the chainsaw for others to use (Youth Apprentices cannot start or operate the chainsaw) <ul style="list-style-type: none"> • identify manufacturers' safety devices • inspect and tighten all nuts, bolts, screws or other fasteners • fill with appropriate fuel/oil mixture • fill with appropriate bar oil • demonstrate chain tension adjustment 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Perform chainsaw field maintenance (Youth Apprentices cannot start or operate the chainsaw) <ul style="list-style-type: none"> • remove the side plate, bar and chain • clean out debris from bar and chainsaw • clean the air filter • visually inspect for wear and damage • install correct chain • install side plate, adjust chain tension and tighten bar nuts 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
9. Demonstrate a natural pruning <ul style="list-style-type: none"> perform crown reduction perform branch reduction raise the crown remove dead, dying, diseased, and rubbing branches, i.e. crown cleaning perform a risk-reduction cut for cracked, split, broken, hanging branches provide clearance from structures 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Perform pruning of shrubs <ul style="list-style-type: none"> perform rejuvenation pruning by heading back branches at or near ground level perform renewal pruning by performing selective removal of stems reduce size of shrub by cutting back to lateral branches reduce size of shrub by heading back to lateral buds 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Competency Substitute (if you replaced a competency above, note the competency and rating)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			

RELATED INSTRUCTION

YEAR 1: Indicate which related instruction courses the youth apprentice completed:

Course Title	Credits	Location