

CARPENTRY

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Course Description:

The Carpentry class is a three-year program at Bethlehem AVTS. In the first year, students learn the fundamentals of safety, tools, materials, layout and installation through an assortment of hands-on activities. Students also learn the basics of framing, drywall, interior and exterior finishes as well as many power and hand tools.

Students in the advanced section of the course learn interior finish, exterior finish in a more indepth application. Students learn drywall, spackling, roofing, and siding. Students create an individual project consisting of a small structure.

Any student who wishes to continue in this field should continue their education at a two or four year college or through co-op. Many students could join the workforce straight out of high school in this field, but it is possible through on the job shadowing and training, that greater opportunities could lead to full time employment.

Carpentry is a huge area of our society not just in residential, but also commercial too. Advances in these areas will make Carpentry an ongoing trade that is needed. In addition to large companies, there exist many small shops, doing specialized areas.

Average pay: The average salary for Carpenters is \$73,000

Degrees: Construction management.

In demand careers: Roofing, framing, finish, drywall, and siding

Reference Material:

Carpentry text OSHA online

Classroom Tools:

Multiple power and hand tools

Course Syllabus Level 1

First Semester (First Marking Period)

Rotation

Projects:

Shop and tools safety Basics of framing Drywall Spackle

Duty and Tasks Covered:

Safety/Occupational Orientation Hand tools Power tools Framing

First Semester (Second Marking Period)

House construction

Projects:

Safety

Hand/power tools

Print reading

Site prep and layout

Floor construction

Duty and Tasks Covered:

Tasks 100-809

100	SAFETY/OCCUPATIONAL ORIENTATION
101	Identify and follow all basic safety
102	practices and procedures. Identify and follow all lab safety
400	practices and procedures.
103	Identify and follow all construction industry safety practices and
404	procedures.
104	Follow procedures in Material Safety Data Sheets (MSDS) system.
105	Identify and follow all OSHA safety
106	standards at the construction site. Explain and demonstrate proper/safe
100	rigging procedures.
107	Demonstrate the ability to construct
200	scaffolding. HAND TOOLS
201	Demonstrate the ability and proper
000	use of small hand tools.
202	Demonstrate the ability and proper use of sawing tools.
203	Demonstrate the ability and proper
	use of fastening tools.
204	Demonstrate the ability and proper use of measuring tools.
205	Demonstrate the ability and proper
200	use of cutting and sharp tools.
206	Demonstrate the ability to sharpen cutting tools.
207	Demonstrate the ability and proper
208	use of digging tools. Demonstrate the ability and proper
200	use of ladders.
209	Demonstrate the ability and proper
210	use of finishing tools. Demonstrate the ability to properly
	maintain hand tools.
300	POWER TOOLS

301	Demonstrate the ability to properly
	use stationary electric power tools.
302	Demonstrate the ability to properly
	use pneumatic tools systems.
303	Demonstrate the ability to properly
	use portable electric power tools.
304	Demonstrate the ability to properly
	maintain electric power tools.
305	Demonstrate the ability to properly
	maintain pneumatic power tools.
400	BLUEPRINTS READING
401	Demonstrate the ability to read and
	interpret blueprints.
402	Demonstrate the ability to read,
	interpret and comprehend standard
	symbols and abbreviations.
403	Demonstrate the ability to read and
	interpret building specifications.
404	Demonstrate the ability to read and
	interpret a plot plan.
405	Demonstrate the ability to read and
	interpret a foundation plan.
406	Demonstrate the ability to read and
	interpret elevation plans.
407	Demonstrate the ability to read and
	interpret details and section views.
408	Demonstrate the ability to read and
	interpret floor, wall and roof framing
	plans.
409	Demonstrate the ability to read and
	interpret building and zoning codes.
410	Demonstrate the ability to read and
	interpret Americans with Disabilities
	Act (ADA) regulations.
500	SITE PREPARATION AND LAYOUT
501	Determine factors needed to be
	considered before the start of a
	building project.
502	Demonstrate the ability to properly
	acquire a building permit.
503	Determine location of utilities, physical
	features and initiate PA one call.
504	Demonstrate the ability to establish
	elevations and grades from
	benchmarks using a transit level.
505	Demonstrate the ability to stake out a
	building foundation using the
	Pythagorean theory.
506	Demonstrate the ability to properly
	erect batter boards.
600	FOOTINGS AND FOUNDATIONS
601	Demonstrate the ability to determine
	footer type.
602	Demonstrate the ability to properly
	use leveling instruments.
603	Demonstrate the ability to establish
	footer lines and elevations.
604	Demonstrate the ability to layout and
	construct forms.

construct footers. Demonstrate the ability to layout foundations. Demonstrate the ability to layout and construct forms for concrete slabs. Demonstrate the ability to properly install reinforcing bars. Demonstrate the ability to properly erect vertical and horizontal framework. FRAMING - FLOOR CONSTRUCTION Determine methods used to fasten sill plates. Demonstrate the ability to properly install fasteners used in floor framing. Demonstrate the ability to properly measure and install sill plates. Demonstrate the ability to properly measure and install floor joists. Demonstrate the ability to properly measure and install floor joists. Demonstrate the ability to properly measure and install floor plates. Demonstrate the ability to properly and construct cross and solid bridging. Demonstrate the ability to properly layout and construct cross and solid bridging. Demonstrate the ability to properly layout and install sub-flooring. Demonstrate the ability to properly measure and frame floor openings. FRAMING - WALL CONSTRUCTION Determine fastening methods used during wall construction. Demonstrate the ability to properly install fasteners used in wall construction. Demonstrate the ability to properly measure, layout and construct a wall. Demonstrate the ability to properly measure, layout and construct a wall. Demonstrate the ability to properly measure, layout and construct abort openings. Demonstrate the ability to properly measure, layout and construct door openings. Demonstrate the ability to properly measure, layout and construct solid headers. Demonstrate the ability to properly measure, layout and construct solid headers. Demonstrate the ability to properly plumb, align and brace walls. Demonstrate the ability to properly plumb, align and brace walls. Demonstrate the ability to properly install metal studs.	605	Demonstrate the ability to layout and
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Demonstrate the ability to properly measure, layout and install sheathing. Demonstrate the ability to properly plumb, align and brace walls. Demonstrate the ability to properly install	807	Demonstrate the ability to properly measure, layout and construct solid
Demonstrate the ability to properly plumb, align and brace walls. Demonstrate the ability to properly install	808	Demonstrate the ability to properly
810 Demonstrate the ability to properly install	809	Demonstrate the ability to properly plumb,
	810	Demonstrate the ability to properly install

Second Semester (Third Marking Period)

Wall framing

Projects:

Laying out walls
Framing walls
Erecting walls
Door and window openings
Sheathing
Supporting and bracing

Duty and Tasks Covered:

Tasks 800-809	
800	FRAMING - WALL CONSTRUCTION
801	Determine fastening methods used during wall construction.
802	Demonstrate the ability to properly install fasteners used in wall construction.
803	Demonstrate the ability to properly measure, layout and construct a wall.
804	Demonstrate the ability to properly select and install various types of insulation.
805	Demonstrate the ability to properly
	measure, layout and construct door openings.
806	Demonstrate the ability to properly measure, layout and construct window
	openings.
807	Demonstrate the ability to properly measure, layout and construct solid
	headers.
808	Demonstrate the ability to properly
809	measure, layout and install sheathing. Demonstrate the ability to properly plumb,
	align and brace walls.
810	Demonstrate the ability to properly install metal studs.

Second Semester (Fourth Marking Period)

Projects:

Roofing

Exterior Finish

Duty and Tasks Covered:

Duty and Tasks Covered:	
Tasks 900-1009	
900	FRAMING - ROOF CONSTRUCTION
901	
901	Determine fastening methods used during roof
000	construction.
902	Demonstrate the ability to properly install
000	fasteners used in roof construction.
903	Demonstrate the ability to properly measure,
	layout, cut and install a ridge board.
904	Demonstrate the ability to properly measure,
	layout, cut and install hip, jack and truss
	rafters.
905	Demonstrate the ability to properly measure,
	layout, cut and install roof trusses.
906	Demonstrate the ability to properly measure,
	layout, cut and install brace roof trusses.
907	Demonstrate the ability to properly measure,
	layout, cut and install roof sheathing.
908	Demonstrate the ability to properly measure,
	layout, cut and install roof openings.
909	Demonstrate the ability to properly measure,
	layout, cut, frame and install dormers.
910	Demonstrate the ability to properly measure,
	layout, cut and install roofing paper.
911	Demonstrate the ability to properly measure,
	layout, cut and install shingles.
912	Demonstrate the ability to properly measure,
	layout, cut and install capping.
1000	EXTERIOR FINISH
1001	Determine fastening methods used during
	exterior finishing operations.
1002	Demonstrate the ability to properly install
	fasteners used in exterior finishing
	operations.
1003	Demonstrate the ability to properly measure,
	layout and install house wrap.
1004	Demonstrate the ability to properly measure,
	layout and install exterior doors.
1005	Demonstrate the ability to properly measure,
	layout and install windows.
1006	Demonstrate the ability to properly measure,
	layout and install siding.
1007	Demonstrate the ability to properly measure,
	layout and install soffits and fascia.
1008	Demonstrate the ability to properly measure,
	layout and install gutters and downspouts.
1009	Demonstrate the ability to properly measure,
	layout and install an exterior set of stairs.
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Course Syllabus Level 2:

First Semester (First Marking Period)

Projects:

Individual projects Roof projects Siding projects

Duty and Tasks Covered:

Tasks 400-410	
400	BLUEPRINTS READING
401	Demonstrate the ability to read and interpret blueprints.
402	Demonstrate the ability to read, interpret and comprehend standard symbols and abbreviations.
403	Demonstrate the ability to read and interpret building specifications.
404	Demonstrate the ability to read and interpret a plot plan.
405	Demonstrate the ability to read and interpret a foundation plan.
406	Demonstrate the ability to read and interpret elevation plans.
407	Demonstrate the ability to read and interpret details and section views.
408	Demonstrate the ability to read and interpret floor, wall and roof framing plans.
409	Demonstrate the ability to read and interpret building and zoning codes.
410	Demonstrate the ability to read and interpret Americans with Disabilities Act (ADA) regulations.

Tasks 700-1009

700 701	FRAMING - FLOOR CONSTRUCTION Determine methods used to fasten sill plates.
702	Demonstrate the ability to properly install fasteners used in floor framing.
703	Demonstrate the ability to properly measure and install sill plates.
704	Demonstrate the ability to properly measure and install floor joists.
705	Demonstrate the ability to properly measure and install joists for a cantilever floor.
706	Demonstrate the ability to properly layout and construct cross and solid bridging.
707	Demonstrate the ability to properly layout and install sub-flooring.
708	Demonstrate the ability to properly measure and frame floor openings.
800	FRAMING - WALL CONSTRUCTION

801	Determine fastening methods used during wall
	construction.
802	Demonstrate the ability to properly install
000	fasteners used in wall construction.
803	Demonstrate the ability to properly measure,
804	layout and construct a wall. Demonstrate the ability to properly select and
004	install various types of insulation.
805	Demonstrate the ability to properly measure,
	layout and construct door openings.
806	Demonstrate the ability to properly measure,
	layout and construct window openings.
807	Demonstrate the ability to properly measure,
808	layout and construct solid headers. Demonstrate the ability to properly measure,
000	layout and install sheathing.
809	Demonstrate the ability to properly plumb,
	align and brace walls.
810	Demonstrate the ability to properly install metal
	studs.
900	FRAMING - ROOF CONSTRUCTION
901	Determine fastening methods used during roof
002	construction.
902	Demonstrate the ability to properly install fasteners used in roof construction.
903	Demonstrate the ability to properly measure,
	layout, cut and install a ridge board.
904	Demonstrate the ability to properly measure,
	layout, cut and install hip, jack and truss
	rafters.
905	Demonstrate the ability to properly measure,
000	layout, cut and install roof trusses.
906	Demonstrate the ability to properly measure, layout, cut and install brace roof trusses.
907	Demonstrate the ability to properly measure,
	layout, cut and install roof sheathing.
908	Demonstrate the ability to properly measure,
	layout, cut and install roof openings.
909	Demonstrate the ability to properly measure,
0.40	layout, cut, frame and install dormers.
910	Demonstrate the ability to properly measure,
911	layout, cut and install roofing paper. Demonstrate the ability to properly measure,
911	layout, cut and install shingles.
912	Demonstrate the ability to properly measure,
	layout, cut and install capping.
1000	EXTERIOR FINISH
1001	Determine fastening methods used during
4000	exterior finishing operations.
1002	Demonstrate the ability to properly install fasteners used in exterior finishing
	operations.
1003	Demonstrate the ability to properly measure,
.000	layout and install house wrap.
1004	Demonstrate the ability to properly measure,
	layout and install exterior doors.
1005	Demonstrate the ability to properly measure,
	layout and install windows.

1006	Demonstrate the ability to properly measure, layout and install siding.
1007	Demonstrate the ability to properly measure,
	layout and install soffits and fascia.
1008	Demonstrate the ability to properly measure,
	layout and install gutters and downspouts.
1009	Demonstrate the ability to properly measure,
	layout and install an exterior set of stairs.

First Semester (Second Marking Period)

Projects:

Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects

Second Semester (Third Marking Period)

Projects:

Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects

Duty and Tasks Covered:

Tasks 400-410 Tasks 700-1009 Tasks 1100-1110

Second Semester (Fourth Marking Period)

Projects:

Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects

Tasks 400-410	
400	BLUEPRINTS READING
401	Demonstrate the ability to read and interpret blueprints.
402	Demonstrate the ability to read, interpret and comprehend standard symbols and abbreviations.
403	Demonstrate the ability to read and interpret building specifications.
404	Demonstrate the ability to read and interpret a plot plan.
405	Demonstrate the ability to read and interpret a foundation plan.
406	Demonstrate the ability to read and interpret elevation plans.
407	Demonstrate the ability to read and interpret details and section views.
408	Demonstrate the ability to read and interpret floor, wall and roof framing plans.
409	Demonstrate the ability to read and interpret building and zoning codes.
410	Demonstrate the ability to read and interpret Americans with Disabilities Act (ADA) regulations.

Tasks 700-1009

700	FRAMING - FLOOR CONSTRUCTION
701	Determine methods used to fasten sill plates.
702	Demonstrate the ability to properly install
	fasteners used in floor framing.
703	Demonstrate the ability to properly measure
	and install sill plates.
704	Demonstrate the ability to properly measure
	and install floor joists.
705	Demonstrate the ability to properly measure
	and install joists for a cantilever floor.
706	Demonstrate the ability to properly layout and
	construct cross and solid bridging.
707	Demonstrate the ability to properly layout and
7-07	install sub-flooring.
708	Demonstrate the ability to properly measure
700	
000	and frame floor openings.
800	FRAMING - WALL CONSTRUCTION

801	Determine fastening methods used during wall
	construction.
802	Demonstrate the ability to properly install
000	fasteners used in wall construction.
803	Demonstrate the ability to properly measure, layout and construct a wall.
804	Demonstrate the ability to properly select and
004	install various types of insulation.
805	Demonstrate the ability to properly measure,
	layout and construct door openings.
806	Demonstrate the ability to properly measure,
007	layout and construct window openings.
807	Demonstrate the ability to properly measure,
808	layout and construct solid headers. Demonstrate the ability to properly measure,
000	layout and install sheathing.
809	Demonstrate the ability to properly plumb,
	align and brace walls.
810	Demonstrate the ability to properly install metal
•••	studs.
900	FRAMING - ROOF CONSTRUCTION
901	Determine fastening methods used during roof construction.
902	Demonstrate the ability to properly install
332	fasteners used in roof construction.
903	Demonstrate the ability to properly measure,
	layout, cut and install a ridge board.
904	Demonstrate the ability to properly measure,
	layout, cut and install hip, jack and truss
906	rafters. Demonstrate the ability to properly measure,
900	layout, cut and install brace roof trusses.
907	Demonstrate the ability to properly measure,
	layout, cut and install roof sheathing.
908	Demonstrate the ability to properly measure,
	layout, cut and install roof openings.
909	Demonstrate the ability to properly measure,
910	layout, cut, frame and install dormers. Demonstrate the ability to properly measure,
910	layout, cut and install roofing paper.
911	Demonstrate the ability to properly measure,
	layout, cut and install shingles.
912	Demonstrate the ability to properly measure,
4000	layout, cut and install capping.
1000	EXTERIOR FINISH
1001	Determine fastening methods used during exterior finishing operations.
1002	Demonstrate the ability to properly install
.002	fasteners used in exterior finishing
	operations.
1003	Demonstrate the ability to properly measure,
4004	layout and install house wrap.
1004	Demonstrate the ability to properly measure,
1005	layout and install exterior doors. Demonstrate the ability to properly measure,
1000	layout and install windows.
1006	Demonstrate the ability to properly measure,
	layout and install siding.

1007	Demonstrate the ability to properly measure,
	layout and install soffits and fascia.
1008	Demonstrate the ability to properly measure,
	layout and install gutters and downspouts.
1009	Demonstrate the ability to properly measure,
	layout and install an exterior set of stairs.

Tasks 1100-1207

1100	INTERIOR FINISH
1101	Determine fastening methods used during interior
1102	finishing operations. Demonstrate the ability to properly install
	fasteners used in interior finishing operations.
1103	Demonstrate the ability to properly measure,
1104	layout and install tape and finish drywall. Demonstrate the ability to properly measure,
1104	layout and install suspended and tile ceilings.
1105	Demonstrate the ability to properly measure,
	layout and install interior doors.
1106	Demonstrate the ability to properly measure,
	layout and install door, trim, casings and hardware.
1107	Demonstrate the ability to properly measure,
	layout and install windows.
1108	Demonstrate the ability to properly measure,
	layout and install window trim, casings and
4400	hardware.
1109	Demonstrate the ability to properly measure, layout
1110	and install baseboard and molding.
1110	Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring.
1111	Demonstrate the ability to properly measure, layout
	and install an interior set of stairs.
1200	ESTIMATION
1201	Demonstrate the ability to correctly estimate the
	amount of bricks needed to complete a given task.
1202	Demonstrate the ability to correctly estimate the
	amount of block needed to complete a given task.
1203	Demonstrate the ability to correctly estimate the
	amount of concrete needed to complete a given task.
1204	Demonstrate the ability to correctly estimate the
1204	cost and amount of materials to finish an exterior
	wall.
1205	Demonstrate the ability to correctly estimate the
	cost and amount of materials to finish an interior
	wall.
1206	Demonstrate the ability to correctly estimate the
4007	cost and amount of materials to construct a floor.
1207	Demonstrate the ability to correctly estimate the cost and amount of materials to construct a roof.
	cost and amount of materials to construct a fool.

Level 2 Outcome: Completed multiple individual projects, shop projects as well as OSHA and safety work.

Course Syllabus Level 3

First Semester (First Marking Period)

Projects:

Group projects
Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects
Cabinet projects

First Semester (Second Marking Period)

Projects:

Group projects
Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects
Cabinet projects

Duty and Tasks Covered:

Tasks 100-410

100	SAFETY/OCCUPATIONAL
	ORIENTATION
101	Identify and follow all basic safety
	practices and procedures.
102	Identify and follow all lab safety
	practices and procedures.
103	Identify and follow all construction
	industry safety practices and
	procedures.
104	Follow procedures in Material Safety
	Data Sheets (MSDS) system.
105	Identify and follow all OSHA safety
	standards at the construction site.
106	Explain and demonstrate proper/safe
	rigging procedures.
107	Demonstrate the ability to construct
	scaffolding.
200	HAND TOOLS
201	Demonstrate the ability and proper
	use of small hand tools.

202	Demonstrate the ability and proper
203	use of sawing tools. Demonstrate the ability and proper
204	use of fastening tools. Demonstrate the ability and proper use of measuring tools.
205	Demonstrate the ability and proper use of cutting and sharp tools.
206	Demonstrate the ability to sharpen cutting tools.
207	Demonstrate the ability and proper use of digging tools.
208	Demonstrate the ability and proper use of ladders.
209	Demonstrate the ability and proper use of finishing tools.
210	Demonstrate the ability to properly maintain hand tools.
300 301	POWER TOOLS Demonstrate the ability to properly
302	use stationary electric power tools. Demonstrate the ability to properly
	use pneumatic tools systems.
303	Demonstrate the ability to properly use portable electric power tools.
304	Demonstrate the ability to properly maintain electric power tools.
305	Demonstrate the ability to properly maintain pneumatic power tools.
400 401	BLUEPRINTS READING Demonstrate the ability to read and
402	interpret blueprints. Demonstrate the ability to read,
	interpret and comprehend standard symbols and abbreviations.
403	Demonstrate the ability to read and interpret building specifications.
404	Demonstrate the ability to read and
405	interpret a plot plan. Demonstrate the ability to read and
406	interpret a foundation plan. Demonstrate the ability to read and
407	interpret elevation plans. Demonstrate the ability to read and
408	interpret details and section views. Demonstrate the ability to read and interpret floor, wall and roof framing
409	plans. Demonstrate the ability to read and interpret building and regions and an interpret building and regions and an interpret building and regions.
410	interpret building and zoning codes. Demonstrate the ability to read and interpret Americans with Disabilities Act (ADA) regulations.

Tasks 700-1110

700 701

FRAMING - FLOOR CONSTRUCTIONDetermine methods used to fasten sill plates.

702	Demonstrate the ability to properly install
703	fasteners used in floor framing. Demonstrate the ability to properly measure
	and install sill plates.
704	Demonstrate the ability to properly measure and install floor joists.
705	Demonstrate the ability to properly measure
706	and install joists for a cantilever floor. Demonstrate the ability to properly layout and
	construct cross and solid bridging.
707	Demonstrate the ability to properly layout and install sub-flooring.
708	Demonstrate the ability to properly measure
800	and frame floor openings. FRAMING - WALL CONSTRUCTION
801	Determine fastening methods used during wall
902	construction.
802	Demonstrate the ability to properly install fasteners used in wall construction.
803	Demonstrate the ability to properly measure,
	layout and construct a wall.
804	Demonstrate the ability to properly select and
005	install various types of insulation.
805	Demonstrate the ability to properly measure, layout and construct door openings.
806	Demonstrate the ability to properly measure,
	layout and construct window openings.
807	Demonstrate the ability to properly measure,
	layout and construct solid headers.
808	Demonstrate the ability to properly measure,
809	layout and install sheathing. Demonstrate the ability to properly plumb,
000	align and brace walls.
810	Demonstrate the ability to properly install metal
	studs.
900	FRAMING - ROOF CONSTRUCTION
901	Determine fastening methods used during roof construction.
902	Demonstrate the ability to properly install
	fasteners used in roof construction.
903	Demonstrate the ability to properly measure,
004	layout, cut and install a ridge board.
904	Demonstrate the ability to properly measure, layout, cut and install hip, jack and truss
	rafters.
905	Demonstrate the ability to properly measure,
	layout, cut and install roof trusses.
906	Demonstrate the ability to properly measure,
907	layout, cut and install brace roof trusses. Demonstrate the ability to properly measure,
301	layout, cut and install roof sheathing.
908	Demonstrate the ability to properly measure,
	layout, cut and install roof openings.
909	Demonstrate the ability to properly measure,
910	layout, cut, frame and install dormers. Demonstrate the ability to properly measure,
	layout, cut and install roofing paper.
911	Demonstrate the ability to properly measure,
	layout, cut and install shingles.

1105	Demonstrate the ability to properly measure,
1105	Demonstrate the ability to properly measure,
	layout and install suspended and tile ceilings.
1104	Demonstrate the ability to properly measure,
	layout and install tape and finish drywall.
1103	Demonstrate the ability to properly measure,
1103	
	fasteners used in interior finishing operations.
1102	Demonstrate the ability to properly install
4400	finishing operations.
1101	
1101	Determine fastening methods used during interior
1100	INTERIOR FINISH
1100	
4400	
	layout and install an exterior set of stairs.
1000	
1009	
1009	
1009	Demonstrate the ability to properly measure,
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	layout and install gutters and downspouts.
1000	
1009	Demonstrate the ability to properly measure.
1009	
1000	
	layout and install an exterior set of stairs
	layout and install an exterior set of stairs.
1100	
1100	INTERIOR FINISH
1100	INTERIOR FINISH
1101	Determine fastening methods used during interior
1101	Determine fastening methods used during interior
	finishing operations
	finishing operations.
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1102	Domonetrate the ability to properly inetall
1102	Demonstrate the ability to properly install
1102	Demonstrate the ability to properly install
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	factories used in interior finishing energtions
	fasteners used in interior finishing operations.
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4400	Demonstrate the chility to properly property
1103	Demonstrate the ability to properly measure
1103	Demonstrate the ability to properly measure,
1100	
	layout and install tane and finish drywall
	layout and install tape and finish drywall.
4404	
1104	Demonstrate the ability to properly measure
1104	Demonstrate the ability to properly measure,
	layout and install suspended and tile ceilings
	layout and install suspended and the cellings.
4405	
1105	Demonstrate the ability to properly measure
1103	Demonstrate the ability to properly measure,
	love it and install interior deem
	layout and install interior doors.
4.400	
1106	Demonstrate the ability to properly measure,
1100	
	layout and install door trim, assings and
	layout and install door, trim, casings and
	hardware.
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1107	
1107	Demonstrate the ability to properly measure,
1107	Demonstrate the ability to properly measure,
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1107	layout and install windows.
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1107 1108	layout and install windows. Demonstrate the ability to properly measure,
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1108	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware.
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1108	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure,
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1108	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure,
1108 1109	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding.
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1108 1109	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block
1108 1109	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block
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1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring.
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring.
1108 1109	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring.
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110 1111	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110 1111	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,
1108 1109 1110 1111 Tasks 1200-1207	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure, layout and install an interior set of stairs.
1108 1109 1110 1111 Tasks 1200-1207	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure, layout and install an interior set of stairs.
1108 1109 1110 1111	layout and install windows. Demonstrate the ability to properly measure, layout and install window trim, casings and hardware. Demonstrate the ability to properly measure, layout and install baseboard and molding. Demonstrate the ability to properly measure, layout and install hardwood, tile and block flooring. Demonstrate the ability to properly measure,

1201 Demonstrate the amount of brick 1202 Demonstrate the amount of block 1203 Demonstrate the amount of block 1203 Demonstrate the amount of concepts.

Demonstrate the ability to correctly estimate the amount of bricks needed to complete a given task. Demonstrate the ability to correctly estimate the amount of block needed to complete a given task. Demonstrate the ability to correctly estimate the amount of concrete needed to complete a given task.

1204	Demonstrate the ability to correctly estimate the cost and amount of materials to finish an exterior wall.
1205	Demonstrate the ability to correctly estimate the cost and amount of materials to finish an interior wall.
1206	Demonstrate the ability to correctly estimate the cost and amount of materials to construct a floor.
1207	Demonstrate the ability to correctly estimate the cost and amount of materials to construct a roof.

Second Semester (Fourth Marking Period)

Projects:

Group projects
Individual projects
Roof projects
Siding projects
Interior drywall projects
Interior trim projects
Cabinet projects

Level 3 Outcomes: Completed individual and group assignments, OSHA, safety, tools, interior and exterior finish, and cabinetry intro.

Supplemental Learning Activities

Students who participate in this program will also have opportunities to participate in the following program and school-sponsored activities:

SkillsUSA: Two groups of two students each participate in the Web Design Competition at the SkillsUSA Regional Competition.

NTHS: Level II and Level III students who have received an "A" in their career and technical program as well as a "B" average at their sending school are eligible to become a member of the BAVTS Chapter of the National Technical Honor Society.

Cooperative Education: Students who have attended six quarters in their career and technical program are eligible to participate in a paid working experience during the PM session of BAVTS. Positions must be available and the students must be recommended by the CTE teacher to be eligible.

Job Shadowing: Students are eligible to visit business and industry partners for one or more days to view the day-to-day operations of this career area.

Internships: Students who have completed six or more quarters of their CTE program are eligible to work for a business and industry partner with the recommendation of the instructor and the availability of assignment.

Field Trips: Students in this program will on occasion attend field trips that expose them to educational experiences within the career field.