

Unit/Standard Number	<p style="text-align: center;">High School Graduation Years 2019, 2020 and 2021 Carpentry/Carpenter CIP 46.0201 Task Grid</p>	<p>Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level</p>
Secondary Competency Task List		
100	SAFETY/OCCUPATIONAL ORIENTATION	
101	Follow basic, lab and construction industry safety practices and procedures.	
102	RESERVED	
103	RESERVED	
104	Follow procedures in Safety Data Sheets (SDS) system.	
105	Identify and follow all OSHA safety standards at the construction site.	
106	RESERVED	
107	RESERVED	
160	Complete 10-hour OSHA training	
200	HAND TOOLS	
201	Use and maintain small hand tools.	
202	Use and maintain sawing tools.	
203	Use and maintain fastening tools.	
204	Use and maintain measuring tools.	
205	Use and maintain cutting tools.	
206	RESERVED	
207	Use and maintain ladders.	
208	Use and maintain finishing tools.	
209	RESERVED	
210	Construct scaffolding.	
300	POWER TOOLS	
301	Use and maintain stationary electric power tools.	
302	Use and maintain pneumatic tool systems.	
303	Use and maintain portable electric power tools.	
304	RESERVED	
305	RESERVED	
400	BLUEPRINTS READING	
401	Interpret blueprints.	
402	Interpret and comprehend standard symbols and abbreviations.	
403	Interpret building specifications.	
404	Interpret a plot plan.	
405	Interpret a foundation plan.	
406	Interpret elevation plans.	
407	Interpret details and section views.	
408	Interpret floor, wall and roof framing plans.	
409	Interpret building and zoning codes.	
410	Interpret Americans with Disabilities Act (ADA) regulations.	

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460	Interpret scales on architectural scale rule	
461	Make basic orthographic drawings	
500	SITE PREPARATION AND LAYOUT	
501	Determine factors needed to be considered before the start of a building project.	
502	Acquire a building permit.	
503	Use PA One Call System, Inc.	
504	Establish elevations and grades from benchmarks using leveling instruments.	
505	Stake out a building foundation using the Pythagorean theorem.	
506	Layout and construct batter boards.	
600	FOOTINGS AND FOUNDATIONS	
601	Determine footer type.	
602	Use of leveling instruments.	
603	Establish footer lines and elevations.	
604	RESERVED	
605	Layout and construct forms for footers.	
606	Layout foundations.	
607	Layout and construct forms for concrete slabs.	
608	Install reinforcing bars.	
609	Construct vertical and horizontal framework.	
660	Identify footing and foundation materials	
700	FRAMING - FLOOR CONSTRUCTION	
701	RESERVED	
702	RESERVED	
703	Layout and install sill plates.	
704	Layout and install floor joists, including manufactured floor joists.	
705	Layout and install joists for a cantilever floor.	
706	Construct and install cross and solid bridging.	
707	Layout and install sub-flooring.	
708	Layout and construct floor openings.	
760	Install termite shields ,apply sill sealer, install pressure treated sill plates	
800	FRAMING - WALL CONSTRUCTION	
801	RESERVED	
802	Layout and construct a wall.	
803	RESERVED	
804	Layout and construct door openings.	
805	Layout and construct window openings.	
806	Layout and construct solid headers.	

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807	Layout and install sheathing.	
808	Plumb, align and brace walls.	
809	Layout and install metal studs.	
900	FRAMING - ROOF CONSTRUCTION	
901	RESERVED	
902	RESERVED	
903	Layout and install a ridgeboard.	
904	Layout and install common rafters.	
905	Layout and install hip and jack rafters.	
906	Layout and install roof trusses.	
907	Layout and install roof sheathing.	
908	Layout and construct roof openings.	
909	RESERVED	
910	Layout and install roofing paper.	
911	Layout and install roofing materials.	
912	Layout and install capping.	
1000	EXTERIOR FINISH	
1001	RESERVED	
1002	RESERVED	
1003	Install house wrap.	
1004	Install exterior doors.	
1005	Install windows.	
1006	Layout and install siding.	
1007	Layout and install soffits and fascias.	
1008	Layout and install gutters and downspouts.	
1009	Layout and install exterior stair systems.	
1060	Layout and install roofing paper.	
1061	Layout and install roofing materials.	
1062	Layout and install capping.	
1100	INTERIOR FINISH	
1101	RESERVED	
1102	RESERVED	
1103	Layout, install and finish drywall.	
1104	Layout and install suspended and tile ceilings.	
1105	Layout and install interior doors.	
1106	Layout and install door trim, casings and hardware.	
1107	Layout and install window trim, casings and hardware.	
1108	Layout and install baseboard and molding.	

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1109	Layout and install flooring materials.	
1110	Layout and install interior stair systems.	
1111	Install various types of insulation.	
1160	Install manufactured kitchen cabinets and countertops	
1200	ESTIMATION	
1201	Estimate the cost and amount bricks and blocks needed to complete a given task.	
1202	Estimate the cost and amount of concrete needed to complete a given task.	
1203	Estimate the cost and amount of materials to finish an exterior wall.	
1204	Estimate the cost and amount of materials to finish an interior wall.	
1205	Estimate the cost and amount of materials to construct a finished floor.	
1206	Estimate the cost and amount of materials to construct a finished roof.	
1207	Estimate the cost and amount of materials to install siding for a house.	
3000	BUILDING MATERIALS	
3060	Handle and store building materials	
3061	Identify types, list sizes and describe uses of wood finish and framing materials	
3062	Identify types and describe uses for manufactured building materials	
3063	Write a materials list for a project	
3064	Use, store and dispose of hazardous glues, solvents and compound chemicals	
3065	Define hardwood and softwood	
3066	Introduce lumber grading and sizes	
3100	SEALANTS, FASTENERS, AND ADHESIVES	
3160	Identify types, sizes and use nails	
3161	Identify types, sizes and use screws	
3162	Identify types, sizes and use bolts	
3163	List types, describe characteristics and use adhesives	
3164	List types, describe characteristics and use sealants	
3165	List types, describe characteristics and use masonry anchors	
3200	MATHEMATICAL CALCULATIONS	
3260	Add, subtract, multiply and divide whole numbers	
3261	Add, subtract, multiply and divide fractions and mixed numbers	
3262	Add, subtract, multiply and divide decimals and mixed numbers	