

Weekly Lesson Plan (Week 4 – September 20, 2021)

Building Trade Occupations – Level 100

Teacher: Mr. Sykes

Implementing 21st Century Skills through: Critical and Creative Thinking, Communication and Collaboration

Day	Content <i>From PDE POS</i>	PA Core Standards	Skills/Objectives <i>Demonstrate knowledge of....</i>	Activities <i>Using these methods to learn...</i>	Assessment <i>How will I be evaluated?</i>
Monday	Safety (POS 100) Building Trades Occupations (POS 200) Carpentry & Repairs (POS 300)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Follow BTO lab rules & processes • Follow safety procedures • Use measuring devices • Layout stock • Keep daily time cards & project logs • Wear PPE 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • PPE note sheets • Using tape measure, squares and handsaws • Review daily building log sheets • Edpuzzle on PPE • Daily Building Log journal entry 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Edpuzzle • Skill assessment in lab
Tuesday	Safety (POS 100) Building Trades Occupations (POS 200) Carpentry & Repairs (POS 300)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Follow BTO lab rules & processes • Follow general shop safety procedures • Lift and carry objects using ergonomics 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Lift and carry objects using ergonomics note sheets • Demonstration-lifting heavy objects • Cutting materials using hand saws • Daily Building Log journal entry 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Skill assessment in lab
Wednesday	Safety (POS 100) Building Trades Occupations (POS 200) Carpentry & Repairs (POS 300)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Follow BTO lab rules & processes • Follow general shop safety procedures • Identify classes of fires and types of fire extinguishers 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Fire extinguisher note sheets • Using a fire extinguisher • Cutting materials using hand saws • Daily Building Log journal entry 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • OSHA module due • Demonstrate ability to use a fire extinguisher • Daily Building Log
Thursday	Safety (POS 100) Building Trades Occupations (POS 200)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Follow BTO lab rules & processes • Follow safety procedures 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • NAMI Assembly • Using a fire extinguisher • Daily Building Log journal entry 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Demonstrate ability to use a fire extinguisher
Friday	Safety (POS 100) Building Trades Occupations (POS 200) Carpentry & Repairs (POS 300)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Identify the components of Occupational Safety and Health Act (OSHA) and state its purposes • Follow BTO lab rules & processes • Follow safety procedures • Keep daily time cards & project logs • Record daily units/hour records 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Computer lab for OSHA • Review for Safety Test on Monday • Cutting materials using hand saws • Daily Building Log journal entry 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Building Log grade

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Building Trade Occupations – Levels 200 & 300

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Day	Content <i>From PDE POS</i>	PA Core Standards	Skills/Objectives <i>Demonstrate knowledge of....</i>	Activities <i>Using these methods to learn...</i>	Assessment <i>How will I be evaluated?</i>
Monday	Residential Electrical Systems (POS 1900) Residential Plumbing Systems (POS 2000)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Install a three-way switch • install & replace PEX pipe & fittings • Install lavatories & sinks • Install and repair PVC plastic pipe and fittings 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Install a three-way switch video • Install a three-way switch note sheets • Building mock-ups • Demonstration 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Three-way switching circuits
Tuesday	Residential Electrical Systems (POS 1900) Residential Plumbing Systems (POS 2000)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Install a three-way switch • install & replace PEX pipe & fittings • Install lavatories & sinks • Install and repair PVC plastic pipe and fittings 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Three-way switch projects • Building mock-ups • Demonstration 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Three-way switching circuits
Wednesday	Residential Electrical Systems (POS 1900)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Install a three-way switch • Perform proper grounding techniques • Install Romex to boxes 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Three-way switch projects • Building mock-ups 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • OSHA General Industry modules due • Daily Building Log
Thursday	Safety (POS 100) Building Trades Occupations (POS 200)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Follow BTO lab rules & processes • Follow safety procedures 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • NAMI Assembly 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Three-way switching circuits
Friday	Residential Electrical Systems (POS 1900)	CC.3.5.11-12.B CC.3.6.11-12.C CC.2.1.HS.F.4	<ul style="list-style-type: none"> • Install a three-way switch • Perform proper grounding techniques • Install Romex to boxes 	<ul style="list-style-type: none"> • Knowledge Base, Guided Practice, Independent Application • Three-way switch projects • Building mock-ups 	<ul style="list-style-type: none"> • Daily grades, participation, and performance • Three-way switching circuits • Building Log grade