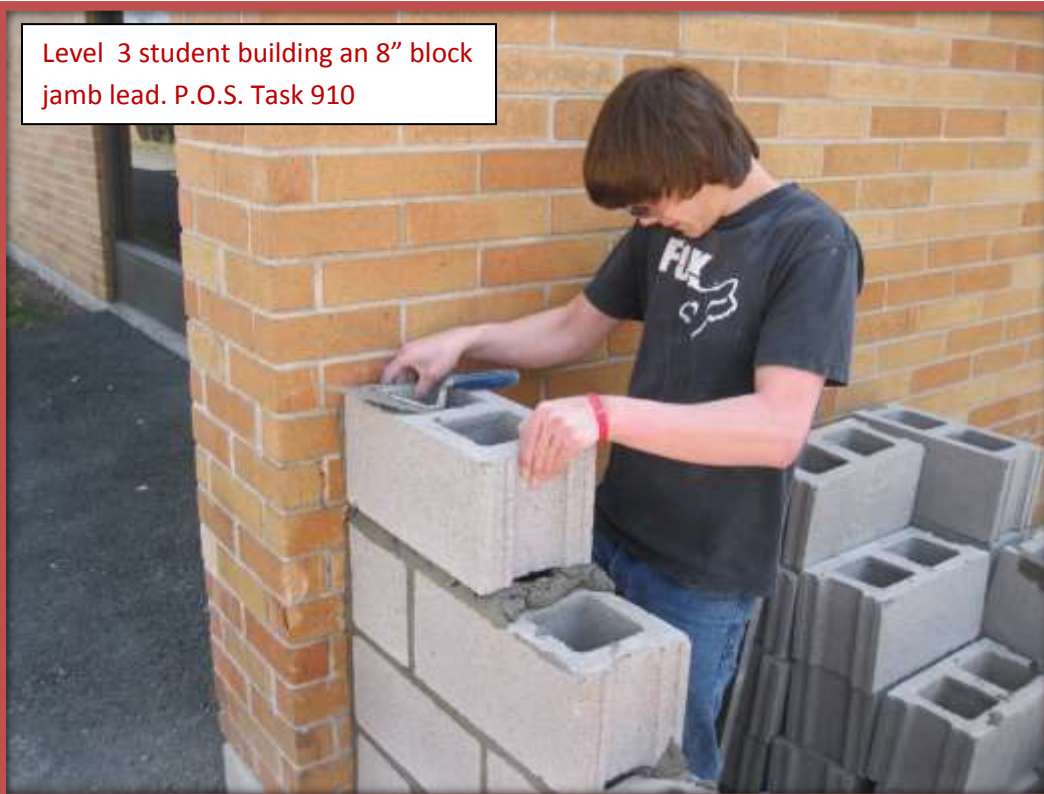


-Schuylkill Technology Center-

Masonry Program Course Syllabus

CIP Code# 46.0101

Level 3 student building an 8" block jamb lead. P.O.S. Task 910



Technology is our middle name !

STC Masonry Program

- 71 Program of Study Tasks
- Course Length: 1080 Hours
- Community based projects
- School-to-Work Options

STC Masonry Program Description





Level 3 student laying brick to the line
P.O.S. Task 803

Level 2 students performing arch
construction P.O.S. Task 1203



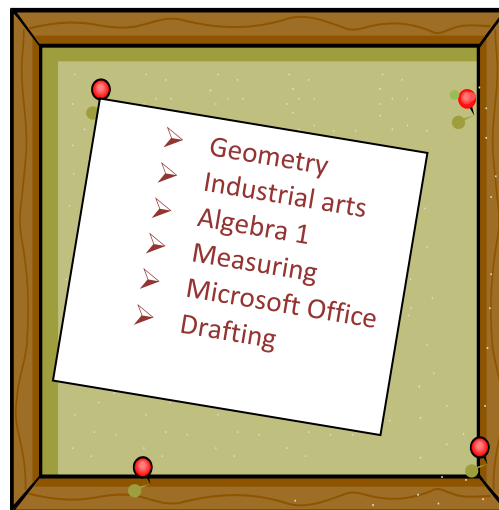
Level 1 student mixing mortar by
hand P.O.S. Task 1002

STC Masonry Program of Study (71 Tasks)

<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Level 4</u>
<ul style="list-style-type: none"> ➤ Demonstrate Knowledge of Masonry Training Lab ➤ Demonstrate Proper Safety Practices ➤ Demonstrate Trade Related Math Skills ➤ Mix and Spread Mortar ➤ Demonstrate Safe Use Of Masonry Hand Tools 	<ul style="list-style-type: none"> ➤ Demonstrate Safe Use of Power Tools ➤ Use Masonry Fasteners ➤ Demonstrate Proper Bricklaying Techniques ➤ Demonstrate Proper Block laying Techniques ➤ Estimate Masonry Work 	<ul style="list-style-type: none"> ➤ Read Blueprints ➤ Demonstrate Safe Use of Power Tools ➤ Demonstrate Proper Bricklaying Techniques ➤ Demonstrate Proper Block laying Techniques ➤ Estimate Masonry 	<ul style="list-style-type: none"> ➤ Read Blueprints ➤ Construct Residential Chimneys and Fireplaces ➤ Prepare a Building Site ➤ Arch Construction ➤ Advanced Masonry Estimating ➤ Fireplace

~ SUGGESTED PREREQUISITES ~

The following is a list of “suggested” prerequisite skills for a student to consider before entering the STC Masonry program.



Certifications

- STC Masonry Certificate of completion (1080hours)*
- NOCTI Masonry Certificate*

*denotes pending student achievement

STC Masonry Projects

Level 1	Level 2	Level 3	Level 4
Accurately cut and measure Masonry materials using hand tools.	Use Masonry related power tools.	Pour Concrete Flatwork.	Identify parts of a fireplace and demonstrate fireplace construction.
Properly identify and use personal protective equipment.	Use different types of reinforcements and fasteners.	Construct 2 chimneys 8 feet high, one using brick and the other using block.	Identify arch types and demonstrate arch construction meeting industry standards.
Build brick and block corner leads.	Build composite Masonry projects.	Estimate brick and block masonry material quantities by the square foot.	Build a small commercial structure within the shop.
Mix and Spread Mortar.	Install window and door openings in block walls.	Build project using different masonry pattern bonds.	Read and interpret masonry drawings.



Level 3 student striking joints



Level 1 Student proudly displaying his brick and block composite project

Level 2 Student applying a head joint to a brick

