

**RCPS Curriculum Pacing Guide
2013-2014
Subject: WELDING I AND II
Instructor; Rich Hogan**

Week of:	Competencies-8673	Bloom's	Objectives
8/16	008/009/013/016/017	understand	Workplace readiness skills/"shop Hunt": Students will identify and describe safety and equipment and practices to understand their working environment
8/23	035/036/037/038/040-	Apply	Applying Basic SAFETY Standards-(core safety)- General shop- safety test to include fire safety and us of fire extinguishers
8/30	048/049/050	Describe-	Demonstrate General Welding Techniques- demonstration of shop tools
9/6	054/055/056/057	Apply	Demonstrate SMAW – Shielded Metal <u>ARC</u> Welding-student name project- Students will manufacture their name using metal cutting processes and ARC welding.
9/13	058/059/060/	Describe and Apply	Demonstrate GMAW-Gas Metal ARC Welding commonly referred- to as MIG welding- student project-students will write their name on metal using MIG welding process.
9/20	064/065/066	Describe	Demonstrate Flux Core Arc Welding- FCAW
9/27	068/069/070/071/072	Describe and Apply And Evaluate	Demonstrate Oxy fuel cutting/welding-OFC Use of "torch" to cut metal, weld metal and heat metal- Welded stump project- using torch to cut base metal and apply skills

			learned previously in student project.
10/4	080/081/082	Describe and understand	Demonstrate Plasma ARC Cutting (PAC) Use Plasma cutting torch to cut metal
10/11	060/059/048	-Apply-	Students perform GMAW-OFC- Oxy-fuel Cutting- welded project-“welded pumpkin” using MIG welding techniques to manufacture seasonal pumpkin from Horseshoes and Or mata-I “cut” nailsand OFC to bend and shape project.
10/18	053	Apply	Students Fabricate- simple parts from drawing or sketch seasonal project-Welded pumpkin-turkey- Bat-
10/25	080/081/082	Apply	Demonstrate Plasma ARC Cutting (PAC) Students cut out shapes and weld project-used in conjunction with seasonal project and or shop needs
11/4	051/052	Understand	Interpreting welding symbols-using projector and posters of Typical welding symbols for weld joints
11/11	053	-Describe and Apply-	Fabricate simple parts from drawing or sketch using welding symbols-TEE joint- Butt joint- Lap joint
11/18	All of the above Tasks and Competencies	Apply	Students prepare for Bounty From the county-projects- manufacture cooking Grills-eating utensils-table fare
11/25	All of the above tasks and Competencies	Apply	Student project seasonal- students project choice using learned shop skills-
12/1	All of the above tasks and Competencies	Apply	Student project seasonal-student project choice using learned shop skills
12/8	008-017	Evaluate	Career and research Paper

12/15	All of the above	Valuate	Sample Skill USA TEST
12/22		evalute	Welding Jeopardy and final written exam