



**Reidsville High School
Manual Machining Program
Student Pipeline Plan**

Already Doing-	6 th Grade	7 th Grade	8 th Grade	High School	RCC	Industry
		Administering interest inventories to all RMS 7 th grade students see (CTE plan page 6 here).	Grouping rising 8 th grade students identified as visual learners and/or have identified an interest in graphics (and who struggle with mathematics (CAD) into an 8 th grade math class tailored to visual learners.	Establishing Creative Design and Arts academy- introduce students to the design process, design thinking and computer aided design programs. (See CDAA plan here)	Offering lunch and learn sessions at RHS with various RCC departments including the Machining Department. (see CTE Plan page 25 here)	Business leaders participate in the administration of the RockATOP program (see RockATOP Apprenticeship handbook here)
	Maker Space Participation (see overview here)	Maker Space Participation (see overview here)	Maker Space Participation (see overview here)	Maker Space Participation	Ongoing collaboration between RCC and RCS in the promotion of career pathways- see “Why not Video” here . “RockATOP spot here .	Business leaders offer numerous internship opportunities.
	ETWI Grant funds utilized to purchase STEM equipment/supplies to increase middle school student interest in STEM and Advanced Manufacturing Careers. (See ETWI quarterly grant reports here and here)			RockATOP business leaders present details of the program to all 11 th and 12 th grade RHS students. (See presentation here)	RCC staff actively participate in the planning and execution of the RockATOP program. (monthly meetings agendas here)	Ongoing collaboration between local business leaders, RCC and RCS in the production of career pathway plans. See RockATOP minutes here , see adv. Manufacturing pathway document here , and brochure here .
	Providing Staff Development for authentic and hands-on projects. (See CTE Plan pages 8-9 here ; see STEM Expo Flyer here ; see documentary trailer here and book study here .)					
	Providing Staff Development for authentic and hands-on projects. (See CTE Plan pages 8-9 here ; see STEM Expo Flyer here ; see documentary trailer here and book study here .)	Financial Literacy through Junior Achievement (see CTE Plan page 16 here .)	All 8 th grand parents are invited to Design Academy Information night (see academy night flyer here)	RockATOP business partners conduct open house events for high school students interested in apprenticeships (see 2018-19 schedule here)	RCC staff adjust schedule and calendar to accommodate the RockATOP apprentices	Reidsville Chamber works in collaboration with RCS and RCC to sponsors a Career Fair for RHS and RCHS students as part of their annual Business Showcase (see 2018 flyer here)
		Financial Literacy through State Employees Credit Union (See reality of money page)	Each career academy program is presented to all RMS and RCHS 8 th graders see FAQ doc here ; see CTE plan page 22-23 here .)	RockATOP business partners in conjunction with RCC and RCS conduct a 4 night invitational for prospective apprentices.	Participating in middle/elementary school career day presentations and bringing middle school groups for campus tours/activities	Business leaders along with non-profits, RCC and RCS participate in RESET Rockingham to improve workforce skills (see CTE plan p.28-29) here . See RESET

						overview here and here ; see RESET Strategic Plan here
			All 8 th graders receive career presentation (see Catalyzing CTE grant application here and report here, see CTE plan page 6 here)	Offer new Technology, Engineering and Design Class for RHS students interested in Engineering and Advanced Manufacturing. See course descriptions on page 93 of the document found here . MOVED FROM "PLANNING TO DO" SECTION	Manufacturing Day (Community Partners/Business and Industry/RCC/RCS) and CTE Tours	Rockingham Education Foundation actively participating in the marketing of RockATOP (see working marketing plan here)
			All 8 th graders establish a CFNC account	Identify RHS high students who have expressly indicated an interest in the machining program. NEW ENTRY	CCP courses in applied technologies (Machining/Welding/HVAC/Electrical/Industrial) offered at RCC.	RockATOP Business partners pay for college text books required for their apprentices' college classes.
				Offer Intro to Design class at RHS. The class will introduce students to opportunities available in CAD and advanced manufacturing. See Intro to Design Course Outline. (See Intro to Design course objectives here) MOVED FROM "PLANNING TO DO SECTION"	RCS involvement in RCC Advisory Committees	Engaging RCS teachers in industry tours in conjunction with RCC. (see details here .)
				Purchase equipment necessary for the support of the new Technology Engineering and Design Program with RCS CTE funds. NEW ENTRY	Partnership with RCC and RCS in administration of Catalyzing CTE Grant	
Planning to Do-	6th Grade	7th Grade	8th Grade	High School	RCC	Industry
	Expand our educator's business and industry externship effort. (See details here)					

		Add computer science class and/or engineering class at RMS. See Computer Science curriculum here	Add computer science class and/or engineering class at RMS. See computer Science curriculum here	Developed Intro to Design class that has been taught in the STEM Academy at DMHS for the past 4 years. This class will become part of the Design Academy at RHS beginning Fall, 2019. See Intro to Design Course Outline. (See Intro to Design course objectives here) MOVED TO "ALREADY DOING" SECTION	Hire Career Coach as liaison between RCS and RCC (See grant application here).	
		Set up and manage 8th grade email groups based on 7th grade interest inventories to target market high school program to students with high interest/aptitude in the program areas				
	Hire part-time Career Coordinator for RMS MOVED TO "WOULD LIKE TO DO" SECTION. RCS DID NOT RECEIVE GRANT FUNDING FOR THE POSITION.			Offer computer science classes at RHS – MOVED TO "ALREADY DOING" SECTION- OFFERING MUCH MORE APPLICABLE TECHNOLOGY ENGINEERING AND DESIGN CLASSES		
			Require all 8 th grade students to complete a 4-year plan based on their identified career aspirations.			

Would like to do when funding is available-	6 th Grade	7 th Grade	8 th Grade	High School	RCC	Industry
	Hire a STEM Coach for RMS (see Expanding CTE grant application here)	STEM Coach to teach Engineering and/or Computer Science Classes (see Expanding CTE grant application here)	STEM Coach to teach Engineering and/or Computer Science Classes (see Expanding CTE grant application here)	Offer a Metals class in the RHS Art Department	Develop mobile CTE lab to promote the opportunities that are available to students in STEM, and advanced manufacturing	
	STEM Coach to counsel students toward STEM oriented career fields (see CTE Expansion grant application here)	STEM Coach to counsel students toward STEM oriented career fields (see CTE Expansion grant application here)	STEM Coach to counsel students toward STEM oriented career fields (see CTE Expansion grant application here)			
	Offer summer bridge program for rising 6 th grade students who struggle with math. Incorporate hands-on math instruction, design and engineering projects and visits to RCC and local industry (see Expanding CTE grant application here).					
	Hire part-time Career Coordinator at RMS. MOVED FROM "PLANNING TO DO" SECTION					