

# TECHNOLOGY EDUCATION DEPARTMENT

Technology Education Course Help <b>2021-22</b>	Please SEE YOUR LOCAL TECH. TEACHER with questions or contact Steve Mascari @ 336-3047		How these classes typically fit in the 5 unit Sequence	Typical grade level of students	Credits Earned	Weighted IHS courses (2pts)	Project Lead the Way Engineering Course	Math- 3rd unit of credit	Science- 3rd unit of credit	Courses that meet Art/Music requirement	College Credit	NOTES
	COURSE	TEACHER										
<b>BUILDING TRADES</b>	Furniture and Cabinet Making	Eric Schultz	Systems	9-12	1/2							Combine your artistic design and carpentry skills in one course. Build and take a unique keepsake.
	Modern Residential Structures	Eric Schultz	Foundation	9-12	1/2							<b>GREAT STARTING POINT</b> for students with Building Trades interest.
	Building Trades (HVAC)	Eric Schultz	Elective	9-12	1/2							Learn about all the different systems that make a house function.
	Advanced Building Trades	Eric Schultz	Elective	10-12	2			X				Student must have had at least one of the other Building Trades courses.
	Electricity and Alternative Energy	Eric Schultz	Foundation	9-12	1/2						MCC	Building circuit boards and house wiring circuits. Solar and wind will be explored.
<b>DESIGN &amp; DRAWING and ENGINEERING</b>	Design & Drawing for Production (DDP)	Steve Mascari	Foundation	9-12	1	X	PLTW			X	MCC	<b>GREAT STARTING POINT</b> for students with an interest in Engineering of any type.
	Civil Engineering and Architecture	Joe Rivellino	Elective	10-12	1	X	PLTW	X	X		RIT	DDP is prerequisite
	Robotics and Automation	Joe Rivellino	Elective	10-12	1	X	PLTW	X			RIT	DDP is prerequisite
	Principles of Engineering	Dave Marshall	Elective	11-12	1	X	PLTW	X	X		RIT	DDP is prerequisite
	Engineering Drawing	Dave Marshall	Elective	10-12	1/2							An advanced course for students who were successful in DDP or Engineering
<b>INFORMATION TECHNOLOGIES</b>	Communication Systems		Systems	9-12	1/2					X		<b>Audio, video and visual communications of all types. MORNING SHOW in this class.</b>
	Graphic Communications		Elective	9-12	1/2					X		Helpful if student has taken Comm. Sys. <b>MORNING SHOW in this class.</b>
<b>AUTOMOTIVES</b>	Land, Air and Sea Transportation	Pete Chupak	Systems	9-12	1/2							Learn about cars, planes and boats. Rebuild a small gas engine and make it run.
	Auto Service (basic auto repair)	Pete Chupak	Foundation	9-12	1/2							<b>GREAT STARTING POINT</b> for students with automotives interest.
	Modern Power Technology (engines)	Pete Chupak	Elective	9-12	1/2							Disassemble a car engine and understand it's inner workings.
	Advanced Auto Service	Pete Chupak	Elective	11-12	2				X		MCC	Student must have had at least one of the other Automotives courses
	Consumer Auto Essentials	Pete Chupak	Elective	9-12	1/2							The ultimate beginner automotives course. For <b>car owners and drivers, NOT mechanics.</b>
	Independent study	Any and All	Elective	11-12								Reserved for highly skilled students who have an agreement with a sponsoring teacher..