Name:	Grading Quarter:	Week Beginning:
Robert Lefrandt	1	08/19/2024
School Year: 2024-25	Subject: Fab Lab/Engi	neering

	Notos	No School	Academic
Monday	<u>Notes:</u> Robotic	No School	Academic Standards:
nda	Assemblies	Fab Lab/Engineering	Stanual US.
, ×	Mechtronic		Arizona
	Wiedneronie	Objective:	Department
	Engineer:	The Fab Lab/Engineering instructional program prepares students to	of
	ReEngineer	apply basic engineering principles and technical skills in support of	Education
	Reverse	engineers engaged in a wide variety of projects.	Website:
	Engineering		viebolite.
	Structural Chassis	Lesson Overview:	Program
	frame body	Students learn to apply Science Technology Engineering Math (STEM)	Description/
	Mechanical	concepts to current technologies and tools as they learn about the	Industry
	(Motion)	different disciplines and opportunities within the fields of engineering.	Credentials/
	Gear: Box,		Coherent
	train,	Blueprint for Instruction and Assessment	Sequence/
	parallel	-	
	(linear)	Engineering Math and Science Principles, Tools, Project Management,	https://www
	stack	Address Needs in Global Society	.azed.gov/cte
	(vertical),		/es/
	ratio,		
	-		
	torque		
	speed		
	Mechtronic		
	Electrical (
	Ohm's Law,		
	Parallel/Seri		
	al Circuits)		
	Chemical		
	e-chem		
	Physical		
	Magnetism		
	Batteries		
	Software		
	Block		
	PLC ladder		
	logic, CNC,		
	Python, C++		
	Sensors		
	touch, Dist		
	Light <i>,</i>		
	Camera		

	Notes:	Fab Lab/Engineering	Academic
Tuesday	Robotic		Standards:
sda	Assemblies	Objective:	
<	Mechtronic	The Fab Lab/Engineering instructional program prepares students to	Arizona
	F	apply basic engineering principles and technical skills in support of	Department
	Engineer:	engineers engaged in a wide variety of projects.	of
	ReEngineer Reverse		Education
	Engineering	Lesson Overview:	Website:
	Structural	Students learn to apply Science Technology Engineering Math (STEM)	
	Chassis	concepts to current technologies and tools as they learn about the	Program
	frame body	different disciplines and opportunities within the fields of engineering.	Description/
	Mechanical		Industry
	(Motion)	Blueprint for Instruction and Assessment	Credentials/
	Gear: Box,	Engineering Math and Science Principles, Tools, Project Management,	Coherent
	train,	Address Needs in Global Society	Sequence/
	parallel		
	(linear)		https://www
	stack		.azed.gov/cte
	(vertical),		/es/
	ratio,		Notes Conti:
	torque		PhysComp
	speed		Embedded
	-		smart, IIOT
	Mechtronic		Al ,Data
	Electrical (Collect Data
	Ohm's Law,		
	Parallel/Seri		Analyze Data MachinLearn
	al Circuits)		
	Chemical		Collaborate
	e-chem		schools,
	Physical		Industry
	-		Community
	Magnetism		-
	Batteries		
	Software		
	Block		
	PLC ladder		
	logic, CNC,		
	Python, C++		
	Sensors		
	touch, Dist		
	Light,		
	Camera		
	Camera		

_	Notes:	Fab Lab/Engineering	Academic
Ne	Robotic		Standards:
dne	Assemblies	Objective:	Standards.
Wednesday	Mechtronic	The Fab Lab/Engineering instructional program prepares students to	Arizona
ΥE	incentionic	apply basic engineering principles and technical skills in support of	Department
	Engineer:		of
	ReEngineer	engineers engaged in a wide variety of projects.	Education
	Reverse	Lesson Overview:	Website:
	Engineering	Students learn to apply Science Technology Engineering Math (STEM)	Website.
	Structural	concepts to current technologies and tools as they learn about the	Program
	Chassis	different disciplines and opportunities within the fields of engineering.	Description/
	frame body	and opportunities within the helds of engineering.	Industry
	Mechanical		Credentials/
	(Motion)	Blueprint for Instruction and Assessment	Coherent
	Gear: Box,	Engineering Math and Science Principles, Tools, Project Management,	
	train,	Address Needs in Global Society	Sequence/
1	parallel		https://www
	(linear)		.azed.gov/cte
	stack		/es/
	(vertical),		, co,
	ratio,		Notes Conti:
	torque		PhysComp
	speed		Embedded
			smart, IIOT
	Mechtronic		Al ,Data
	Electrical (Collect Data
	Ohm's Law,		Analyze Data
	Parallel/Seri		MachinLearn
	al Circuits)		
	Chemical		Collaborate
			schools,
1	e-chem		Industry
	Physical		Community
1	Magnetism		Southerney
	Batteries		
1	Software		
	Block		
	PLC ladder		
1			
1	logic, CNC,		
	Python, C++		
	Sensors		
1	touch, Dist		
1	Light <i>,</i>		
1	Camera		
1			
L	1	1	1

μ	Notes:	Fab Lab/Engineering	Academic
Thursday			Standards:
day	Engineer:	Objective:	Arizono
	ReEngineer Reverse	The Fab Lab/Engineering instructional program prepares students to	Arizona
	Engineering	apply basic engineering principles and technical skills in support of	Department of
	Structural	engineers engaged in a wide variety of projects.	Education
	Chassis	Lesson Overview:	Website:
	frame body	Students learn to apply Science Technology Engineering Math (STEM)	Website.
	Mechanical	concepts to current technologies and tools as they learn about the	Program
	(Motion)	different disciplines and opportunities within the fields of engineering.	Description/
	Gear: Box,		Industry
	train,	Discovering for the structure and Associate and	Credentials/
	parallel	Blueprint for Instruction and Assessment	Coherent
	(linear)	Engineering Math and Science Principles, Tools, Project Management,	Sequence/
	stack	Address Needs in Global Society	
	(vertical),		<u>https://www</u>
	ratio,		<u>.azed.gov/cte</u>
	torque		<u>/es/</u>
	speed		https://www
	Mechtronic		.azed.gov/cte
	Wieentronie		/es/
	Electrical (
	Ohm's Law,		<u>Notes Conti:</u>
	Parallel/Seri		PhysComp
	al Circuits)		Embedded
	Chemical		smart, IIOT
	e-chem		Al ,Data
	Physical		Collect Data
	Magnetism		Analyze Data
	Batteries		MachinLearn
	Software		Collaborate
	Block		schools,
	PLC ladder		Industry
1	logic, CNC,		Community
	Python, C++		Community
	Sensors		
	touch, Dist		
	Light,		
	Camera		
	Camera		

<u>_</u> . !	Notes:	Fab Lab/Engineering	Academic
Friday			Standards:
<	Engineer:	Objective:	
	ReEngineer	The Fab Lab/Engineering instructional program prepares students to	Arizona
	Reverse	apply basic engineering principles and technical skills in support of	Department
	Engineering Structural	engineers engaged in a wide variety of projects.	of
	Chassis	Lesson Overview:	Education
	frame body	Students learn to apply Science Technology Engineering Math (STEM)	Website:
	Mechanical	concepts to current technologies and tools as they learn about the	Drogram
	(Motion)	different disciplines and opportunities within the fields of engineering.	Program Description/
	Gear: Box,	different disciplines and opportunities within the fields of engineering.	Industry
	train,		Credentials/
	parallel	Blueprint for Instruction and Assessment	Coherent
	(linear)	Engineering Math and Science Principles, Tools, Project Management,	Sequence/
	stack	Address Needs in Global Society	· · · · · · · · · · · · · · · · · · ·
	(vertical),		https://www
	ratio,		.azed.gov/cte
	torque		/es/
	speed		
	Mechtronic		<u>Notes Conti:</u>
	Electrical (PhysComp
	Ohm's Law,		Embedded
	Parallel/Seri		smart, IIOT
	-		Al ,Data
	al Circuits)		Collect Data
	Chemical		Analyze Data
	e-chem		MachinLearn
	Physical Magnetics		Collaborate
	Magnetism Battorics		schools,
	Batteries		Industry
	Software		Community
	Block		Sectionally
	PLC ladder		
	logic, CNC,		
	Python, C++		
	Sensors		
	touch, Dist		
	Light,		
	Camera		