

DATES	DESCRIPTION	DAILY OBJECTIVES
8/19-23	Utilize icebreakers to get to know the students. Review the handbook and class rules and procedures. Familiarizing them with the shop environment. Introduce equipment, safety, capabilities, etc.	Introductions Review class/lab rules Review disaster plan and egress routes Review and discuss the cell phone policy. Get them familiar with the environment
8/26-30	Safety protocols, videos, and demonstrations.. Tool identification and proper use Learn to read a tape measure. Machine maintenance and cleaning	Safety protocol and how to properly use PPE Hand tool Identification, Hands on the equipment!
9/2-6	MONDAY OFF! Software introductions. A new software every day that we use in the program	Fusion 360, Corel, Eiger, Immerse2Learn
9/9-13	Designing your first Fusion 360 part	Stepping through the processes to understand CAD/CAM operations
9/16-20	Intro to G Code	Learning the machine codes and what they do. Programming your first G Code part
9/23-27	Intro to the BenchMills, and the HAAS Mills. Running your first part	Start cycling students through the machines
9/30-10/4	Intro to manual milling operations Manual mill Module in IM2L	Identifying the parts of a manual mill, safe operation, and indicating in a vise
10/7-11	Intro to manual lathe operations Manual Lathe Module in IM2L	Identifying the parts of a manual lathe, and using a four jaw chuck and indicator
10/14-18	Intro to Additive Manufacturing.	Using and maintenance of 3D printers. How to make a successful design/print

10/21-25	Lathe and Mill Safety refresher. Running your first part.	Students will be cutting chips manually for the first time.
10/28-11/1	Lathe and Mill Ops.	Same. Working in groups on equipmnt
11/4-8	Lathe and Mill Ops	Same. Working in groups on equipment
11/11-15	Intro to Sawing, and material Identification	All students will saw material this week, read tape measures, and estimate material usage and costs.
11/18-22	Job costs, estimates, and equipment utilization. Using the laser engraver as our base of revenue.	Learning what it takes to manufacture a part start to finish, and running your own shop or managing a cell of machines,
11/25-29		<b>Thanksgiving Break</b>
12/2-6	Chocolate Bar Design and Mfg	Design, Plan, and make your chocolate bar mold
12/9-13	Chocolate Bar lesson continued	Same as above. Students who are finished will assist other students or work in the shop on their projects.
12/16-20	Chocolate Bar lesson. Personal projects and designs. Machine care, maintenance and cleaning.	Same as above. Students who are finished will assist other students or work in the shop on their projects. Clean the shop and equipment for the semester break,
12/23-1/3/25		<b>Winter Break</b>
1/2-1/5		

1/8-1/12		
1/15-1/19		1/15 - MLK Day (No School)
1/22-1/26		
1/29-2/2		
2/5-2/9		
2/12-2/16		
2/19-2/23		2/19 - Presidents' Day (No School)

2/26-3/4		
3/11-3/15		
<b>3/18-3/22</b>		<b>Spring Break</b>
3/25-3/29		
4/1-4/5		
4/8-4/12		
4/15-4/19		4/15 - SkillsUSA Arkansas Leadership Conference Hot Springs, AR 4/16 - SkillsUSA Arkansas Leadership Conference Hot Springs, AR 4/17 - SkillsUSA Arkansas Leadership Conference Hot Springs, AR
4/22-4/26		

4/29-5/3		
5/6-5/10		
5/13-5/17		
5/20-5/24		
5/27-5/31		5/27 - Memorial Day (No Students)