

TIMELINE	CONTENT	SKILLS	ASSESSMENT	NJCCCS
1 WEEK	Shop safety	<ul style="list-style-type: none"> Using basic safety rules of shop 	Test on each machine in shop	5.1, 5.2, 5.4, 5.5
2 WEEKS	Power tool care, maintenance	<ul style="list-style-type: none"> Maintaining shop power tools: i.e. changing belts, blades, other 	Demonstration Lecture Student do Maintenance Assignment	5.3, 5.7, 5.1
FROM WEEK 3 TO WEEK 18	Planning mass-production project	<ul style="list-style-type: none"> Brainstorm ideas Develop prototypes (4-8) Evaluate prototypes as to strong-weak points Each group constructs a prototype 	Group complete 3-4 ideas, construct prototypes evaluate recker grade on completion	3.2,4.2,1.1, 2.7,3.15
FROM WEEK 3 TO WEEK 18	Market research	<ul style="list-style-type: none"> Poll students, staff and to projects likes and dislikes Chose final project design 	Student Make Questionnaire Gather information Grade Assessed	2.7,4.2,2.9, 3.14
FROM WEEK 3 TO WEEK 18	Test/evaluate final design	<ul style="list-style-type: none"> Refine final design project 	As a class refine final prototype and construct	1.1,2.7,3.1\
FROM WEEK 3 TO WEEK 18	Construction flow chart	<ul style="list-style-type: none"> Design manufacturing sequence Construct jigs/fixtures to be used in manufacturing steps 	Student time progress with and without jigs and fixtures	2.7,4.9,4.2, 5.3
FROM WEEK 3 TO WEEK 18	Final cost evaluation	<ul style="list-style-type: none"> Make plans, calculate total cost, profit margin Decide number to manufacture 	Grade given to group on completion of cost evaluation	1.1,2.7,3.1\
FROM WEEK 3 TO WEEK 18	Manufacturing	<ul style="list-style-type: none"> Construct project using mass construction techniques 	Group of four construct, each student, mini run grade for each	3.2,5.1,3.13 3.15
FROM WEEK 3 TO WEEK 18	Marketing	<ul style="list-style-type: none"> Sell individual projects – distribution – advertising 	How many are sold	1.12
WEEK 19 TO WEEK 40	Design/plan/construct individual advanced projects	<ul style="list-style-type: none"> Develop plans, cost figures, construct projects. 	Projects graded	

