MORAINE PARK TECHNICAL COLLEGE

ASSESSMENT PORTFOLIO WORKSHEET
2003-2004

Your assessment portfolio will be evaluated by educators and advisory committees and becomes the property of Moraine Park Technical College.

Program Name: Tool and Die Designer
Program Number: 10-617-1
Required DML: Portfolio/Artifacts

Student Name:
MPTC Six-Digit Student ID #:
Semester of Program Acceptance:

***Choose only 1 or 2 artifacts per Learner Outcome to include in Assessment Portfolio.**

Directions: Your completed Assessment Portfolio is a requirement for graduation. Use this Worksheet as you gather artifacts for the required Direct Measures of Learning (DML) in your program. Use columns A and B to enter dates or titles of work that show evidence of your skills and abilities. In column C; use the following key to document the type(s) of evidence you will use to demonstrate growth and/or progress: 1 = Artifact from other coursework, 2 = Integrated in reflection, 3 = Draft or first effort at required DML, 4 = Other (specify). **Note**: These criteria will be used to verify your portfolio at the time of graduation.

EXIT LEARNING OUTCOMES	Contact Course Instructor If No Artifact Is Listed In This Column. **SUGGESTED ARTIFACT***	**A** **Artifact Linked to Outcome**	**B** **Reflection Statement**	**C** **Evidence of Growth/ Progress**
Program Learner Outcomes				
Design jigs and fixtures.	H-16 Drawing			
617-145 Machining Techniques, Basic	Plate Milling Fixture Design			
617-110 Computer Aided Design / Drafting - AutoCAD				
617-141 Computer Aided Manufacturing				
617-160 Geometric Dimensioning - Tolerancing				
617-150 Material Selection				
804-175 Technical Math 1				
804-176 Technical Math 2				
Design molds dies.	Core & Cavity Project			
617-145 Machining Techniques, Basic	Slide Mold Design			
617-110 Computer Aided Design / Drafting - AutoCAD	Core & Cavity Splits			
617-141 Computer Aided Manufacturing				
617-125 Blanking and Compound Die Design				
617-126 Progressive Bend and Draw Die Design				
617-120 Die Making Processes				
617-160 Geometric Dimensioning - Tolerancing				
617-150 Material Selection				
804-175 Technical Math 1				
804-176 Technical Math 2				
617-135 Two and Three Plate Mold Design				
617-136 Side Action and Hot Runner Mold Design				
617-130 Mold Making Processes				
Design stamping dies.	Progressive Bending and			
617-145 Machining Techniques, Basic	Site Cam Die Design			
617-110 Computer Aided Design / Drafting - AutoCAD				
617-141 Computer Aided Manufacturing				
617-120 Die Making Processes				
617-160 Geometric Dimensioning - Tolerancing				
617-150 Material Selection				
617-125 Blanking and Compound Die Design				
617-126 Progressive Bend and Draw Die Design				
804-175 Technical Math 1				

804-176 Technical Math 2				

Program Learner Outcomes (cont.)	Suggested Artifact	Artifact Linked to Outcome	Reflection Statement	Evidence of Growth/ Progress
Develop detailed working drawings.	Detail Die Component			
617-110 Computer Aided Design / Drafting - AutoCAD	Assignment			
617-141 Computer Aided Manufacturing				
617-125 Blanking and Compound Die Design				
617-126 Progressive Bend and Draw Die Design				
617-120 Die Making Processes				
617-115 Jig and Fixture Design				
617-135 Two and Three Plate Mold Design				
617-136 Side Action and Hot Runner Mold Design				
Generate internal and external reports.	Alloy Parameter Report			
617-125 Blanking and Compound Die Design	and Presentation			
617-126 Progressive Bend and Draw Die Design				
617-120 Die Making Processes	Final Mold Design			
617-160 Geometric Dimensioning - Tolerancing	Presentation			
617-115 Jig and Fixture Design				
617-135 Two and Three Plate Mold Design				
617-136 Side Action and Hot Runner Mold Design				
Interpret part drawings.				
617-110 Computer Aided Design / Drafting - AutoCAD	Hanger - Single Bearing			
617-141 Computer Aided Manufacturing	Drawing			
617-125 Blanking and Compound Die Design				
617-126 Progressive Bend and Draw Die Design	Stationary Hub Drawing			
617-120 Die Making Processes				
617-160 Geometric Dimensioning - Tolerancing				
617-115 Jig and Fixture Design				
617-150 Material Selection				
616-130 Mold Making Process				
617-135 Two and Three Plate Mold Design				
617-136 Side Action and Hot Runner Mold Design				
Provide CAD geometry for conversion to Numerical Control Machine Language.	Mill Exercise Project #6			
617-141 Computer Aided Manufacturing				
617-125 Blanking and Compound Die Design	Frisbee Core Project			
617-126 Progressive Bend and Draw Die Design				
617-120 Die Making Processes				
617-160 Geometric Dimensioning - Tolerancing	Studetn Initial Assignment			
617-115 Jig and Fixture Design				
617-135 Two and Three Plate Mold Design				
617-136 Side Action and Hot Runner Mold Design				
General Education Learner Outcomes				
Apply organizational and stylistic strategies to fit subject, audience, and purpose in communication				
801-195 Written Communication				
801-197 Technical Reporting				
Apply psychological principles to personal and professional relationships				
809-198 Introduction to Psychology OR 809-199 Psychology of Human Relations				
Apply the foundational elements of economic reasoning to personal and business decision-making				

809-195 Economics				

General Education Learner Outcomes (cont.)	Suggested Artifact	Artifact Linked to Outcome	Reflection Statement	Evidence of Growth/ Progress
Determine mathematical concepts needed to solve an application.				
804-175 Technical Math 1				
Determine the impact of psychological and social factors have in shaping human behavior				
809-196 Introduction to Sociology				
809-198 Introduction to Psychology OR *809-199 Psychology of Human Relations*				
Evaluate content, organization, supporting materials, credibility, and style of communication fo				
decision-making.				
801-197 Technical Reporting				
Evaluate political, social, and scientific views on scientific topics.				
806-194 Contemporary Issues in Science				
Examine the complexities of society from a sociological perspective.				
809-196 Introduction to Sociology				
Perform mathematical calculations.				
804-175 Technical Math 1				
Elective OR Other Courses (course number and title)				
Core Abilities Indicate _____Inventory and/or _____Integrated				
Work Cooperatively				
Complete assigned tasks for team/group work.				
Use collaborative strategies to complete tasks.				
Exchange information, ideas, and opinions in a team/group setting.				
Show evidence of respect for diversity.				
Act Responsibly				
Complete assigned tasks according to prescribed deadlines.				
Complete assigned tasks according to prescribed criteria.				
Adhere to established attendance criteria.				
Value Self Positively				
Adapt hygiene and appearance to requirements of work and educational environment				
Identify personal strengths and areas for improvement.				
Exchange information, ideas, and opinions in a team/group setting.				
Show evidence of respect for diversity.				
Think Critically and Creatively				
Distinguish between fact and opinion.				
Synthesize information from a variety of sources.				
Use problem-solving and decision-making strategies.				
Apply global perspective to decisions and actions.				

Core Abilities (cont.)	**Suggested Artifact**	**Artifact Linked to Outcome**	**Reflection Statement**	**Evidence of Growth/ Progress**
Communicate Clearly				
Use bias-free language.				
Use language that is free of obscenities.				
Apply listening skills.				
Apply standard rules of language structure including grammar, spelling, and punctuation				
Work Productively				
Complete assigned tasks according to established conditions.				
Evaluate work using established criteria.				
Learn Effectively				
Use resources to meet learning needs.				
Organize information.				
Produce evidence of learning.				