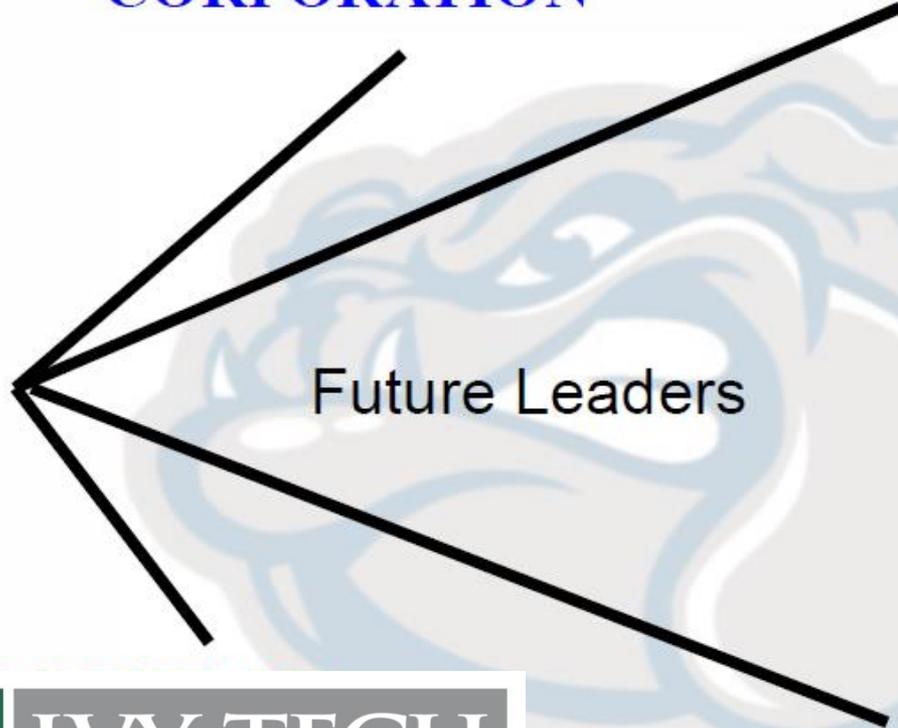




BATESVILLE COMMUNITY SCHOOL CORPORATION





Essential Question: How do we maximize instructional time and expand educational opportunities?

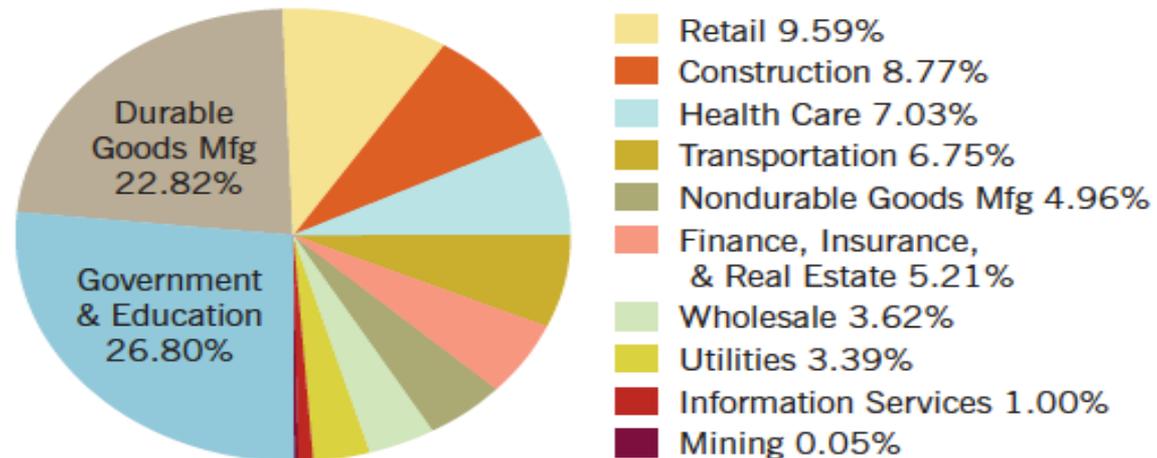
- Students are our #1 resource
- Learning opportunities exist outside our school walls
- Flexibility is our responsibility
- Emphasis on student discovery of professional interests and disinterests
- Community partners develop educational goals tailored to specific needs
- Our job is to foster student learning and community relationships
- BHS is a “professional environment”
- Establish a “soft skill” environment



BHS/Ivy Tech/Local Industry Industry Benefits

- Opportunity to identify and recruit local talent
- Specifically design program to develop locally required skill sets
- Greater understanding of characteristics of future workforce

Figure 13. Composition of Regional Economy, 2013



Source: Ball State CBER using data from the Bureau of Economic Analysis, U.S. Department of Commerce.





Sample Weekly Schedule

Monday

B1: BHS Core 40 class

W1: BHS Core 40 class

W2: BHS Core 40 class

B3: BHS Core 40 class

W3-W4: Ivy Tech class

Tuesday/Thursday

B1: BHS Core 40 class

SRT: 45 min Ivy tech course/45 min BHS resource

B3: BHS Core 40 class

1:30-2:55: Ivy Tech class

Wednesday/Friday

W1: BHS Core 40 class

W2: BHS Core 40 class

11:45-2:45: Local Cooperative Site Experience



BHS COOP Prerequisites

- Project Lead the Way
 - Introduction to Engineering Design (IED)
 - Principles of Engineering (POE)
 - Civil Engineering and Architecture (CEA)
 - Engineering Design and Development (EDD)
- Hire Technology
 - Introduction to Advanced Manufacturing and Logistics (AML)
 - Advanced Manufacturing I (tentative)
- Technology Education
 - Introduction to Construction
- Agriculture Education
 - Fundamentals of Ag. + Ag. Power and Mechanics



Starting Out

- ▶ Orientation
 - Introductions
 - Work Expectations
 - Tour
- ▶ Safety
 - Same training as every employee
 - Must pass all tests

Department Overviews

- ▶ Weld
 - ▶ Stamping
 - ▶ Tooling
 - ▶ Maintenance
 - ▶ Shipping
 - ▶ Machining
 - ▶ Quality
 - ▶ Continuous Improvement
- 

Project

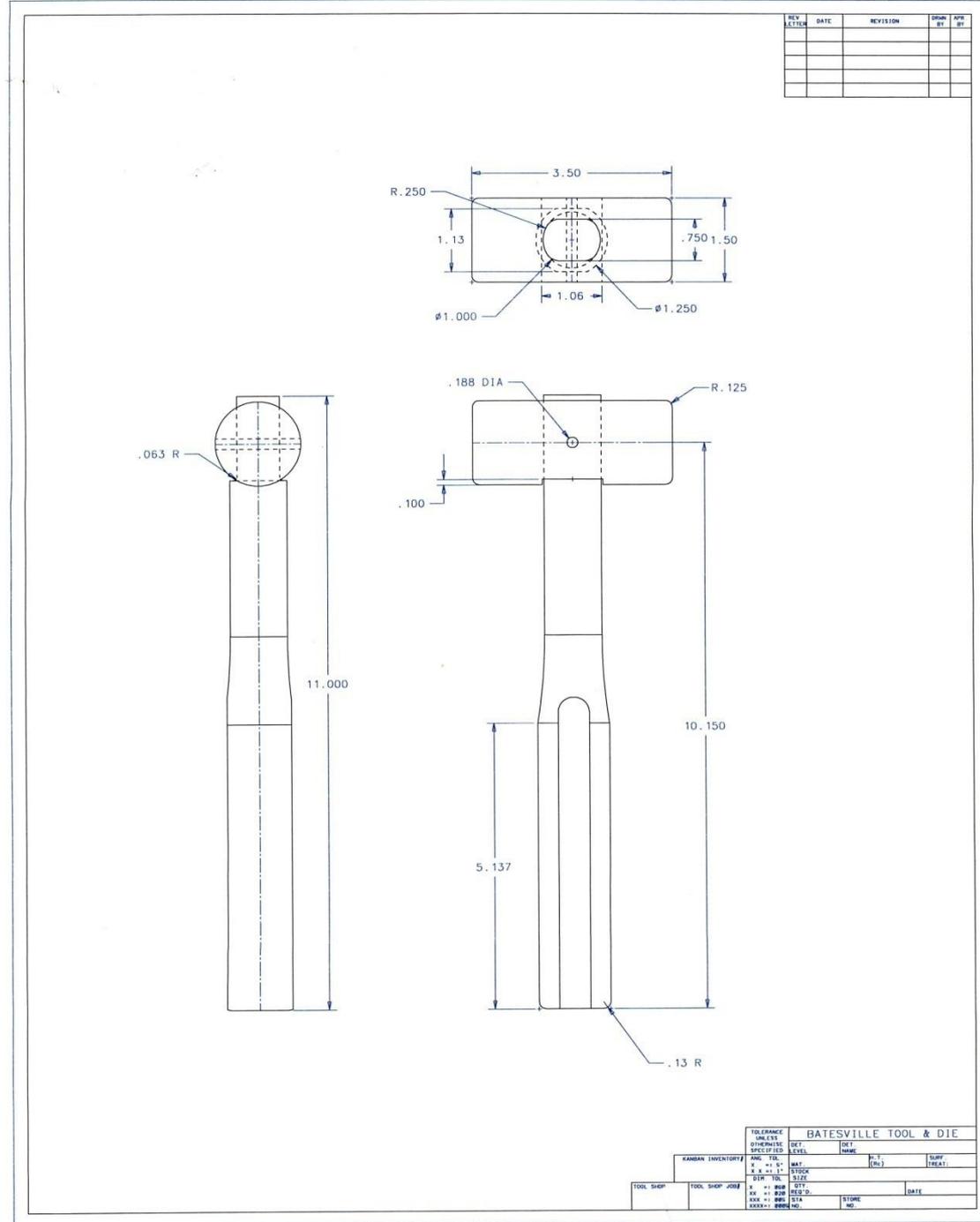
▶ Design

- Using CAD show how to draw a tool
- Start with a customer print to draw from
- Edit the print to meet the proper tolerances
- Project to design and build themselves

▶ Tooling

- Learn to make shims properly
- Grinder—what is it used for, how to use it
- Mills and Lathes

Project: Design and Build a Hammer



REV	DATE	REVISION	BY	APP

TOLERANCE		BATESVILLE TOOL & DIE	
UNLESS	DET.	DET.	
DIMENSIONS	LEVEL	NAME	
SPECIFIED			
KANBAN INVENTORY	ANG. TOL.	STOCK	DATE
	1" = 1"	STOCK	
	2" x 1" = 1"	STOCK	
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	XXX = +.005	STIP.	
	XXXX = +.005	STIP.	
		STIP.	

Project:
Design and
Build a
Hammer



IVY MANUFACTURING DUAL ENROLLMENT TECHNOLOGY PROGRAM

Batesville Campus 2017-2018 (BHS)

First Year

Fall		Spring	
Course	Date/Time	Course	Date/Time
ADMF 101 Key Principles of Advanced Manufacturing	Monday 12:15 – 2:55 pm SRT Tuesday 40'	ADMF 102 Technology in Advanced Manufacturing	Monday 12:15 – 2:55 pm SRT Tuesday 40'
DESN 220 3-D Computer Aided Design	T/Th 1:30 – 2:55 pm SRT Thursday 30'	INDT 113 Basic Electricity	T/Th 1:30 – 2:55 pm SRT Thursday 30'
Prerequisites: ADMF 101 None DESN 220 None		Prerequisites: ADMF 102 None INDT 113 None	

Second Year

Fall		Spring	
Course	Date/Time	Course	Date/Time
ADMF 112 Automation-Mechatronics Mechanical Systems	Monday 12:15 – 2:55 pm SRT Tuesday 40'	ADMF 122 Automation-Mechatronics Electrical And Robotic Systems	Monday 12:15 – 2:55 pm SRT Tuesday 40'
INDT 104 Fluid Power Basics	T/Th 1:30 – 2:55 pm SRT Thursday 30'	ADMF 222 Automation-Mechatronics Pressurized Systems	T/Th 1:30 – 2:55 pm SRT Thursday 30'
Prerequisites: ADMF 112 None INDT 104 None		Prerequisites: ADMF 122 INDT 113 ADMF 222 INDT 104	

IVY MANUFACTURING PATHWAYS

			Industrial Technology - Mechanical		Industrial Technology - Electrical		Automation & Robotics		Design Technology	
Course	Prereq	Notes	CT-Mech (21 cr)	TC-Mech (34 cr)	CT-Elec (21 cr)	TC-Elec (34 cr)	CT-Auto (27 cr)	TC-Auto (34 cr)	CT-Des* (18 cr)	TC-Des (32 cr)
DESN 101*	None	Assume Dual Credit							R	R
DESN 104*	DESN 101	Assume Dual Credit							R	R
DESN 113*	DESN 101	Assume Dual Credit							R	R
ADMF 101	None	Fall - Year 1	R	R	R	R	R	R	E	E
DESN 220	None	Fall - Year 1							E	E
ADMF 102	None	Spring - Year 1	R	R	R	R	R	R	E	E
INDT 113	None	Spring - Year 1	R	R	R	R	R	R	E	E
ADMF 112	None	Fall - Year 2	R	R			R	R		
INDT 104	None	Fall - Year 2	R	R		R	R	R	E	E
ADMF 122	INDT 113	Spring - Year 2				R	R	R		
ADMF 222	INDT 104	Spring - Year 2	R	R			R	R		
Courses still needed to complete degree>>>>			INDT 203	INDT 203	INDT 103	INDT 103	INDT 203	INDT 203	None	ENGL 111
				INDT 114	INDT 125	INDT 125	ADMF 202			DESN 115
				MTTC 101	INDT 204	INDT 204				SCIN 101
					INDT 205	INDT 205				
				MATH 122		MATH 122		MATH 122		MATH 122
				COMM 104		COMM 104				
				IVYT 113		IVYT 113		IVYT 113		IVYT 113

* Proposed CT degree

CT = Certificate R = Required

TC = Technical Certificate E = Elective



Questions...

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