

PWHS ADVANCED MANUFACTURING INDUSTRY COUNCIL | MEETING AGENDA & RUNNING NOTES

Meeting Date	September 24, 2020 at 10:30am	
Team Members Present	Kate Foster (PWHS), Michelle Hassan (PTHS), April Senase (PWHS), Terry Iverson (Iverson & Co), Tony Rubino (GF Machining), Geoff Luther (A1 Tool), Mark Allen Jones (SMEEF), Jon Brazzale (Principal Mfr), Julie Snyder (Principal Mfr), Tim Gemkow (Gemkow), Anne Cothran (DVR EFE), Leigh Coglianese (TMA), Antoinette Rayburn (PTHS), Joe Kosina (PWHS), LT Taylor (PTHS), Maxine Jeremiah (PWHS), Marilyn Rouse (PWHS), Rudy Marotti (Haas), Jessica Wagner (P+W), Michael Doltar (P+W)	
Items to Prepare	None	
Roles	Timekeeper: Notetaker:	
Meeting Norms	<ul style="list-style-type: none"> · Start and end on time · Maintain equity of voice · Eliminate side conversations · Practice active engagement 	<ul style="list-style-type: none"> · Adhere to the 48-hour rule · Maintain confidentiality (AKA Vegas!) · Expect and accept non-closure · Assume positive intent
Introductions & Updates from Members	<ul style="list-style-type: none"> · Introductions for the benefit of new members · Updates regarding operations in member facilities, hiring/apprenticeship opportunities, how you've adapted during COVID, etc. <ul style="list-style-type: none"> ○ SMEEF – Philanthropic arm of SME. Sponsoring trade shows. Cancelled as of March. ○ Principal Manufacturing – slowed hiring, no apprenticeships yet this year ○ TMA – 3 year apprentice program in progress. 145 students online launched 3 weeks ago 	
TMA Cohort Update	<ul style="list-style-type: none"> · Employment status of grads · Students interested in apprenticeships <ul style="list-style-type: none"> ○ NIMS Lathe and Mill Operator certifications 	
Lab Tour & Program Update	<ul style="list-style-type: none"> · Virtual tour of the Manufacturing Lab · Discussion of our collective vision for the Manufacturing program at Proviso West · Program needs · Q & A with Ms. Senase 	
Future Planning	<ul style="list-style-type: none"> · Brainstorming partnership opportunities for PWHS and Industry Council members after we return to the building · Planning for Spring 2021 	
Manufacturing Day	<ul style="list-style-type: none"> · October 2nd, 2020 <ul style="list-style-type: none"> ○ Windows of time available for virtual tours: <ul style="list-style-type: none"> ▪ 8:00 – 9:15 (Two 30 min spots available) ▪ 9:20 – 10:35 (Two 30 min spots available) ▪ 12:00 – 1:15 (Two 30 min spots available) ▪ 1:20 – 2:35 (Bonus block – Two 30 min spots available) ▪ 2:45 – 3:15 (Bonus block – One 30 min spot available) ○ Tours will be recorded on our end and shared with students unable to attend live 	
Grand Opening	<ul style="list-style-type: none"> · TBD: October 15th (BOE, Industry Council, community members) and 16th (students and families) <ul style="list-style-type: none"> ○ Planning in progress 	
Parking Lot & Burning Questions	AMBA Shop outreach for local organizations Principal working on a video to share with students	
Next Meeting	Proposed: January 21, 2020 at 10:30am	

PWHS ADVANCED MANUFACTURING INDUSTRY COUNCIL | MEETING AGENDA & RUNNING NOTES

Meeting Date	March 25, 2020	
Team Members Present	Kate Foster, Leigh Coglianesse (TMA), Greta Salamando (A1), Matt Erbach (U-46), Michael Dolter (P+W), Tom Gemkow (Gem Automation), Mark Jones (SME Prime), Rudy Marotti (Haas), Antoinette Rayburn (PTHS), Jessica Wagner (P+W), Dr. Cothran (DVR), Antigone Sharris (Triton), Carla Williams (PWHS), Angelo Calcagno (PWHS)	
Items to Prepare		
Roles	Timekeeper: Notetaker:	
Meeting Norms	<ul style="list-style-type: none"> · Start and end on time · Maintain equity of voice · Eliminate side conversations · Practice active engagement 	<ul style="list-style-type: none"> · Adhere to the 48-hour rule · Maintain confidentiality (AKA Vegas!) · Expect and accept non-closure · Assume positive intent
Review Layout & Design of Lab	<ul style="list-style-type: none"> · Manufacturing Lab Renderings · Q & A with Architects <ul style="list-style-type: none"> ○ Rolling tables with vices is concerning – the tables will scoot all over the place, so we need a specific type of brake system on the wheels of the tables. Ask Antigone about brake system to review. ○ Vice on tables vs countertop – is instructor providing deburred material that is pre-prepped? Or are students prepping their own material? ○ Buy vices that have rotating bases so we can adjust (vertical and horizontal) on outer sides of the table on the window wall, not with your back to the machines, especially when equipment is running ○ Matt – This looks great and will be one of the top 3 of labs in Illinois. Unstoppable juggernaut if curriculum matches. ○ Considering teaching surface grinding and lapping skills? ○ Laser cutters (something that can do weld-fab?)? Plasma cutters? Welding? ○ NIMS certification 	
SME Prime Introduction	<ul style="list-style-type: none"> · Introduction to SME Prime from Mark Jones · SME Prime Info Item for BOE <ul style="list-style-type: none"> ○ Overview of the program ○ Access to the Tooling U curriculum library (600+ education modules to supplement existing curriculum) ○ Some schools basing entire curriculum on Tooling U ○ Typically a 3 year engagement with the school ○ Early funder of the Wheeling HS program ○ Collaborate with FAME ○ Pathways we put in place are informed directly by manufacturers (www.fame-usa.com) 	
Phase I: Equipment	<ul style="list-style-type: none"> · Bid response for recently purchased equipment · Missing accessories for lathe – missing work holding elements <ul style="list-style-type: none"> ○ Machinists vice ○ Clamps ○ REMOVE: “Flycutter set with raised cutter inserts” <ul style="list-style-type: none"> ▪ Issues with safety with kids ▪ Tend to break in half and fly across the room ▪ Remove from the list ○ ADD: Shell Mill would be the industry-correct way to do this – add this to the next bid ○ ADD: High speed steel end mill set instead of carbide ○ ADD: Drill chuck, collets, 2” face mill instead of 4” ○ ADD: R8 drill chuck, R8 collet rack ○ ADD: Quick change collet mill ○ ADD: Deadblow hammer ○ ADD: Digital readout for X and Y access ○ ADD: measuring instruments (add surface plate, height gauge with scriber) ○ REMOVE: X Axis servo feed and Air power draw bar, etc. Unnecessary and will help students tear up the equipment. Automation is unnecessary 	

	<ul style="list-style-type: none"> ▪ 2VS8408 Air Power Draw Bar R8 (US MFG) 1,000.00 Drawbar Installation \$ 300.00 2VSX150 X-Axis Servo Feed (USA MFG) 1,415.00 2VSXA X-Axis Align Power Feed (Taiwan) 1,145.00 Servo Installation per Axis \$275.00
Materials: What should we have on hand in the fall for the start of school?	<ul style="list-style-type: none"> · Buy the band saw this summer · Swiss-type steel <ul style="list-style-type: none"> ○ Ask companies for drop offs ○ A1's steel is too high quality <ul style="list-style-type: none"> ▪ EJ Bazler is a company – Leigh will connect us ▪ Scott Forge in Franklin Park ▪ Nelsen Steel ○ Swiss Automation in Barrington loads Matt's truck with their drop offs · Bar drops – 1' of material that the machine can't use. Good for learning if steel and · Base for NIMS credentials and good base stock to have on hand: cheap low carbon steel, soft 12' bars, 6' bars 1" tall, 2" wide · 60 or 61 aluminum, responsive to student errors · Components for competitions at TMA <ul style="list-style-type: none"> ○ Round stock ○ Square stock ○ Order 6' bars and cut them in house · Basic steel · Machinable plastic block · Aluminum · TMA funding · AMBA Chicago Chapter
Now Hiring!	<ul style="list-style-type: none"> · Check the website with advanced manufacturing Job Description · Applitrak Listing for Applied Tech opening
Grand Opening Ideas	<ul style="list-style-type: none"> · Let's have a party! <ul style="list-style-type: none"> ○ Leyden re-opened their West campus and had a ribbon cutting/open house ○ Displayed or live-cut a school logo ○ Suggestion - have machines running during the open house ○ Invite community manufacturers ○ Invite mayors, Chamber of Commerce ○ Big scissors! ○ Cary Grove did a reverse career fair where students talk to employers about why they're excited for the class ○ Food
Parking Lot & Burning Questions	https://www.moldyourcareer.org/
Next Meeting	TBD – Summer for a walk through of the space!