



**PAST**  
FOUNDATION  
access through innovation

# Additive Manufacturing Summer Institute (AMSI)

## Teacher Professional Development Schedule

### May - June 2018

Date	Location	Activities	Deliverables
May 7- May 25	Online	Online Course P3 Applied: Additive Manufacturing	
May 10	Online	Virtual Meeting: Intro to Problem Based Learning and Problem Articulation, Outcomes of the AMSI program, Review Course Syllabus	See P3 Applied Syllabus
May 17	Online	Virtual Meeting: Present Collaborative Team Norms, Design Cycle, Project Pathways	See P3 Applied Syllabus
May 24	Online	Virtual Meeting: Present Prototype of Puzzle Piece, Documentation of Innovation	See P3 Applied Syllabus
June 4- June 29	On-Site PAST Innovation Labs (PIL)	Additive Manufacturing Summer Institute	
June 5	On-Site PAST Innovation Labs (PIL)	AM (with students): Tools and Techniques, Safety Processes	
		1:00-4:00 PM PD: AMSI Program Outcomes (Module Development, SME Exam), Integrating the Design Cycle, Problem Brainstorm, Criteria of Final presentation (Scientific Poster), Designing TPBL Modules	Student Mini-Design Challenge, Problem Brainstorm List, Criteria of Final Presentation
June 7	On-Site PAST Innovation Labs (PIL)	AM (with students): Design proposals, Digital Portfolios	
	American Orthopedic ROTO Exhibit Designs	PM PD: Tours (see tour schedule for details)	Integration of field experience: Career Exploration and Career Orientation
June 12	On-Site PAST Innovation Labs (PIL)	AM (with students): Team Design Challenge	
		1:00-4:00 PM PD: Backmaps/Designing TPBL Units, Asset Mapping and Equipment Needs, Business and Industry Partnerships, SME Exam Review	Backmap, Two-Week Planner Asset Maps and Equipment
June 14	On-Site PAST Innovation Labs (PIL)	AM (with students): Team Design Challenge- CAD prototype evaluation and feedback	
	Sandvik Hyperion	PM: Tours (see tour schedule for details)-	Integration of field experience: Career Exploration and Career Orientation
June 19	On-Site PAST Innovation Labs (PIL)	AM (with students): Fabrication of Proof of Concept	
		1:00-4:00 PM PD: Evidence of Learning, Lewis Rubric, Concept Alignment, Module Development, Exam Review	Two-Week Planners, Lewis Rubric
June 21	On-Site PAST Innovation Labs (PIL)	AM (with students): Modifications for concept	
	OSU CDME CSCC Manu. Program	PM: Tours (see tour schedule for details)-	Integration of field experience: Career Exploration and Career Orientation
June 26	On-Site PAST Innovation Labs (PIL)	AM (with students): Certification Review, Assembly and modification fo final version of prototype	
		1:00-4:00 PM: Additive Manufacturing Program Model, Module Development, SME Exam Review	
June 28	On-Site PAST Innovation Labs (PIL)	AM: SME Exam	
		1:00-4:00 PM: Evaluation and Modification of Modules, Presentations, and Program Design, SME Exam Debrief	
June 29	On-Site PAST Innovation Labs (PIL)	PM: Presentations	



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