Muscatine School District

Course Syllabus	
Teacher(s) Name(s)	Brayden Zaruba
Course Name	CAD-140
Email	Brayden.Zaruba@mcsdonline.org
Phone Number	(563)263-6141 Ex
Office Hours	By appointment only
Course Description	This course introduces students to parametric solid modeling. Students will become familiar with the basic editing window and menu/toolbar layout. This course will build a solid foundation in the following areas: sketching, extrusions, feature construction, and sketch tools. Best modeling practices will be the emphasis for the course. Application projects will mimic true industry projects.
Objectives	Upon successful completion of this course, students will be able to: ● Create feature based solid models. ● Analyze parts for accuracy. ● Analyze features for accuracy. ● Apply the rules of associativity.
Instructional Materials	Beginners Guide to SolidWorks 2022, Level I Alejandro Reyes SDC Publications ISBN 978-1-63057-465-9 Flashdrive or portable hard drive

Communication Protocols	Students should directly speak with me about the class then send an email as a reminder. All classwork will be graded Sunday night and put into the grade book.
Grading Information	Summative assessment = 55% Learning Activities = 20% Participation = 10% Final = 15% All projects will be graded off of rubrics created for each project.
Assignment List	Con Rod Crankshaft Half bushing Offset shaft Gear Intake Exhaust Cover Worm Gear Complete Oil Dipstick Middle Compression Ring Top Compression Ring Muffler Crank Case Top Oil Control Ring Housing Drawing Side Cover Drawing Engine Block Worm Gear Drawing Top Cover Drawing

	Offset Shaft Drawing Oil pan Worm Gear Shaft Housing Assembly
Academic Policies and Procedures	Assignments on paper will be turned in at the end of class into the Class specified paper divider, Online assignments will be submitted on google classroom by the due date. Projects will be submitted on the Friday at the end of the 2 week cycle. 2 weeks to complete Late work. 2 days to redo tests and projects Cheating leads to a 0 the first time 2nd is meeting with admin 3rd is removed from the course.
Course Calendar	Week : The SolidWorks Interface, and Part Modeling. Week : Special Features - Sweep, Loft and Wrap. Week : Detail Drawing. Week : Assembly Modeling and Assembly and Design Table Drawings. Week : Animation and Rendering.
Dual Credit Courses Only	CAD-140 - 3 credit hours