

Engineering : IED Intro to Engineering Design

Grade 9



#	Essential Knowledge/Skill	Alignment
1	Design Process: I can identify the design process and use it to systematically approach a design problem.	
2	Engineering Notebook: I can properly and accurately maintain an engineering notebook and digital portfolio of my work.	
3	Project Management: I can manage my projects efficiently and follow through on my responsibilities with myself and within my group. (Accountability)	
4	Technical Drawings: I can sketch different technical drawing techniques according to conventions	
5	Measurements, Statistics, & Math Modeling: I can demonstrate understanding and usefulness of mathematics and statistics in modeling	
6	Computer Aided Design Software: I can demonstrate proficiency at Autodesk Inventor	
7	Geometry & Physical Properties: I can calculate geometry and physical properties	
8	Reverse Engineering & Analysis: I understand the meaning and purpose of Reverse Engineering including performing analyses	
9	Advanced Documentation: I can document my work in a professional manner including advanced drawings with tolerances	

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