5-8 Content Area	Standard	Guides to Standard	Reflect	Discover	Imagine	Create	Share	Alignment to IM Student Project Outcomes:
Science & Technology	Develop abilities of technological design	Identify appropriate problems for technological design. Students should develop their abilities by identifying a specified need, considering its various aspects, and talking to different potential users or beneficiaries. They should appreciate that for some needs, the cultural backgrounds and beliefs of different groups can affect the criteria for a suitable product.[		x				Knowledge OM 2.4.8 Attitude OM 2.4.9 Skills OM 2.4.8
		Students should make and compare different proposals in the light of the criteria they have selected. They must consider constraints--such as cost, time, trade-offs, and materials needed--and communicate ideas with drawings and simple models.			X			
		Implement a proposed design. Students should organize materials and other resources, plan their work, make good use of group collaboration where appropriate, choose suitable tools and techniques, and work with appropriate measurement methods to ensure adequate accuracy.				x		
		Evaluate completed technological designs or products. Students should use criteria relevant to the original purpose or need, consider a variety of factors that might affect acceptability and suitability for intended users or beneficiaries, and develop measures of quality with respect to such criteria and factors; they should also suggest improvements and, for their own products, try proposed modifications.			X	x		
		Students should review and describe any completed piece of work and identify the stages of problem identification, solution design, implementation, and evaluation					x	
	Develop understandings about science and technology	Many different people in different cultures have made and continue to make contributions to science and technology.		x	X			Engagement OM 2.4.5
		Technological designs have constraints. Some constraints are unavoidable, for example, properties of materials, or effects of weather and friction; other constraints limit choices in the design, for example, environmental protection, human safety, and aesthetics.		x	X	x		
		Technological solutions have intended benefits and unintended consequences. Some consequences can be predicted, others cannot.		x	X	x		