SCIENCE AND TECHNOLOGY CONTENT STANDARDS

Challenge	Massachusetts Curriculum Frameworks Science and Technology/Engineering Standards																																			National Science Education Standards											
	Grades 3–5															Grades 6–8																				Grades K–12											
	Materials and Tools				Engineering Design				Physical Science				Materials, Tools, and Machines				Engineering Design					Physical Science			The Nature of Technology			Technology and Society	Design			Abilities for a Technological World		The Designed World		Gr. 3–5			Grades 6–8							
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	1	4	5	1.1	1.2	2.1	2.2	2.3	2.4	2.5	8	11	13	1	2	3	6	8	9	10	11	12	18	20	Science as Inquiry	Properties of Materials	Technological Design	Motions and Forces	Technological Design	Science and Technology	Technology in Society
Watercraft	●	●		●	●	●		●			●	●	●	●	●		●				●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●
Paper Table	●	●		●	●	●		●			●	●	●	●	●		●				●	●	●		●	●	●	●	●		●	●	●	●	●	●	●	●
Zip Line	●	●		●	●	●		●			●	●	●	●	●		●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●
Paddle Power	●	●		●	●	●		●	●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●
Helping Hand	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●