

# CONTENT STANDARDS

The challenges in this guide address the following ITEA National Study of Technology Content Standards and the Massachusetts Curriculum Frameworks' Science and Technology/Engineering Standards.

Challenge	Massachusetts Curriculum Frameworks Science and Technology/Engineering Standards															ITEA National Study of Technology Content 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		
	1.1	1.2	1.3	2.1	2.2	2.3	1	4	5	6	7	1.1	2.1	2.2	2.3	2.4	1.3	1	2	6	8	9	10	11	12	16	20							
Hidden Alarm	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●								
Dance Pad Mania	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●							
Dance Off	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●							
Rubber Band Car	●	●	●		●	●	●	●	●			●	●	●	●	●	●	●	●		●	●	●	●	●	●	●							
Motorized Car	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●							
Customized Car	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●							
High Rise	●	●		●	●	●	●					●	●	●	●	●		●	●		●	●	●	●	●	●	●							
Kinetic Sculpture	●	●	●		●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Kicking Machine	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Extreme Kicking Machine	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						

## CREDITS

The *Design Squad* Educator's Guide was produced by the WGBH Educational Outreach department.

**Director of Educational Outreach**  
Karen Barss

**Educational Content Manager**  
Sonja Latimore

**Editors**  
Chris Randall  
Amy Hubbard

**Associate Editor**  
Lauren Feinberg

**Manager, Special Initiatives**  
Thea Sahr

**Outreach Coordinator**  
Ellen Robinson

**Outreach Assistant**  
Margot Sigur

**Writer**  
Ellen Przybyla

**Advisors**  
Jenny Atkinson, M. Ed.  
*Executive Director, Charlestown Club, Boys & Girls Club of Boston*

Rick McMaster, Ph.D., P. E.  
*Executive Project Manager, IBM*

Heidi Nepf, Ph.D.  
*Professor of Civil and Environmental Engineering, MIT*

Kate L. Pickle  
*STEM Program Manager, Girl Scouts of the USA*

Karla Tankersley  
*Director of Engineering, Gap Inc.*

**Designers**  
Cathleen Schaad  
Vijay Mathews  
Peter Lyons  
Jonathan Rissmeyer

**Illustrator**  
Marty Smith

**Print Production**  
Mark Hoffman

**Senior Executive Producer**  
Kate Taylor

**Series Executive Producer**  
Marisa Wolsky

**Series Content Directors**  
Dr. Daniel D. Frey  
*Associate Professor of Mechanical Engineering, MIT*

Dr. David Wallace  
*Associate Professor of Mechanical Engineering, MIT*

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