

Table of Challenges

Challenge (page no.)	Description	Curiosity	Connections	Creating Value
Marshmallow Challenge (8)	Build the tallest freestanding structure that can support a marshmallow	✓	✓	
Queen Bee Challenge (11)	Build the tallest tower-- blindfolded worker bees build while queen bees can only instruct		✓	
Aesthetic Bridge Challenge (14)	Build an aesthetic bridge that supports a certain weight and spans a given gap	✓	✓	✓
Scavenger Hunt (17)	Hunt the location of a close up picture hint	✓	✓	
Raft Challenge (20)	Build the cheapest raft that can float a certain weight and travel a given distance using wind power	✓	✓	
Electric Outlet Marketing Challenge (23)	Create the product presentation for a surge protector	✓	✓	
Elevator Pitch Challenge (26)	Pitch your idea to add a healthy breakfast on campus in 90 seconds			✓
Newspaper Table Challenge (29)	Build the tallest table using newspaper to support a ream of paper	✓	✓	
Outsourcing Challenge (32)	Recreate lego-planners make assembly instructions and a builder assembles			✓
Balloon Plane Launch Challenge (35)	Launch a paper plane using a helium balloon. The longest hovering plane wins.	✓	✓	
Game Theory Challenge (38)	Play a series of game theory games and earn points	✓		

Challenge	Description	Curiosity	Connections	Creating Value
Student Desk Challenge (41)	Prototype a student desk for a dorm room	✓		✓
Space Launcher Challenge (44)	Build a device to launch ping-pong balls through a suspended ring	✓	✓	
Incorporating Best Practices (47)	Bring a global best sustainability practice to a local level	✓		✓
Supply Drop Challenge (55)	Protect two glass candle holders from a two-story drop	✓	✓	
Toaster Box Design Challenge (53)	Design an appealing packaging for a toaster to a "green" shopper.		✓	✓
Gmail Improvement Challenge (56)	Pitch improvements to Gmail	✓		✓
Refuse Bird Feeder Challenge (59)	Build an aesthetic bird feeder from trash materials.	✓		✓
Puzzle Race (62)	Complete a given set of puzzles. The fastest team wins.	✓	✓	
Code Transmission Challenge (65)	Develop a code that can securely relay a message across a 20 ft. gap.		✓	✓
Rubber Band Car Challenge (68)	Build a car powered by a rubber band to travel the farthest distance.	✓	✓	
Foil Boats (71)	Create a boat to float the most quarters.	✓	✓	✓