






























Material List						Engineering Design Toolkit Activities						
						PVC Car Activity - Five Possible Variations					Amount of Materials Available for this Activity	Total Cost
						Type 1	Type 2	Type 3	Type 4	Type 5		
Part #	Name	Image	Price/Unit	Description	Store	Quantity						
1	90 Degree Elbow		\$ 0.19	Fitting: Slip x Slip	Home Depot	2	6	0	5	5	6	\$ 1.14
2	Cross		\$ 0.98	Fitting: Slip X Slip X Slip X Slip	Home Depot	0	0	0	0	0	0	\$ -
3	Male Adapter		\$ 0.35	Fitting: Slip X MIPT	Home Depot	2	2	2	2	2	2	\$ 0.70
4	Threaded Tee		\$ 1.61	Fitting: FIPT X FIPT X FIPT	Home Depot	2	2	2	2	2	2	\$ 3.22
5	Tee		\$ 0.26	Fitting: Slip X Slip X Slip	Home Depot	2	2	0	2	2	2	\$ 0.52
6	Creatology Wood Dowel		\$ 0.75	Dimensions: 12" X 3/4" wooden dowels	Michaels	2	2	2	2	2	2	\$ 1.50
7	Wood Toy Wheel		\$ 0.95	2" Diameter Wood Wheel	Michaels	4	4	4	4	4	4	\$ 3.80
8	1/2" PVC pipe, L = 2"		\$ 0.03	L= 2" x Dia. =1/2" PVC pipe	Home Depot	4	4	4	4	4	4	\$ 0.12
9	1/2" PVC pipe, L = 3"		\$ 0.05	L= 3" x Dia. =1/2" PVC pipe	Home Depot	6	10	0	9	9	10	\$ 0.50
10	1/2" PVC pipe, L = 5"		\$ 0.08	L= 5" x Dia. =1/2" PVC pipe	Home Depot	0	0	1	0	0	1	\$ 0.08
11	Female Connector		\$ 0.31	Fitting: Slip X MIPT	Home Depot	4	4	4	4	4	4	\$ 1.24
12	Rubber band		\$ 0.05	Elastic rubber band	Home Depot	0	0	0	0	0	0	\$ -
13	Projectile		\$ 0.13	Ping Pong balls	Dollar Tree	0	0	0	0	0	0	\$ -
14	Storage Tote		\$ 7.49	Container	Dollar Tree	1	1	1	1	1	1	\$ 7.49
15	Tape Measuring Device		\$ 1.00	Tape Measure	Dollar Tree	1	1	1	1	1	1	\$ 1.00
16	Scotch Tape		\$ 0.50	adhesive tape	Dollar Tree	1	1	1	1	1	1	\$ 0.50
17	Dry Erase Board		\$ 1.00	Designing paper	Dollar Tree	1	1	1	1	1	1	\$ 1.00
18	Plastic Cup		\$ 0.06	12 oz	Dollar Tree	0	0	0	0	0	0	\$ -
19	45 degree elbow		\$ 0.65	Fitting: Slip X Slip	Home Depot	0	0	0	0	0	0	\$ -
20	(1/2 x 3/4) Tee		\$ 0.67	Fitting: Slip X Slip X Slip	Home Depot	0	0	0	0	0	0	\$ -
21	Bridge Runway		\$ 1.00	Recycled binders	Dollar Tree, yard sale	0	0	0	0	0	0	\$ -
22	Smart Water Bottle		\$ 0.50	20 oz bottle	Recycling Center	0	0	0	0	0	0	\$ -
23	Paper Rocket		\$ 0.01	For catapult only	Target	0	0	0	0	0	0	\$ -
24	RC Car		\$ 9.99	For Bridge Activity	Fred Meyers	0	0	0	0	0	0	\$ -
25	AAA Batteries		\$ 0.69	For RC car	Fred Meyers	0	0	0	0	0	0	\$ -
26	Basket		\$ 1.00	For car activity	Dollar Tree	1	1	1	1	1	1	\$ 1.00
27	ZipLoc Bag		\$ 0.45	ZipLoc Bag	Winco	1	1	1	1	1	1	\$ 0.45
	1-1/2" PVC Bushing		\$ 1.47	1-1/2" PVC Bushing	Home Depot	0	0	0	0	0	0	\$ -
28	1/2" PVC EL 90D		\$ 0.70	1/2" PVC EL 90D	Home Depot	0	0	0	0	0	0	\$ -
<b>Grand Total Number of Items needed for this activity</b>				<b>43</b>	<b>Cost of Model Type</b>	<b>\$ 23.22</b>	<b>\$ 24.18</b>	<b>\$ 22.10</b>	<b>\$ 23.94</b>	<b>\$ 23.94</b>	<b>Total Part Cost</b>	<b>\$ 24.26</b>