



a WOW Lab

BLUEPRINT

Tumbling Dominoes

Shopping List

The list is divided into consumable and reusable items. The quantities listed allow for the production of one complete set of dominoes. The listed initial cost assumes that the activity has never been performed before and that all of the materials must be purchased. The legend below provides details of where the materials can be found:

A = Arts and Crafts Store
 D = Dollar Store
 E = Educational Supplier

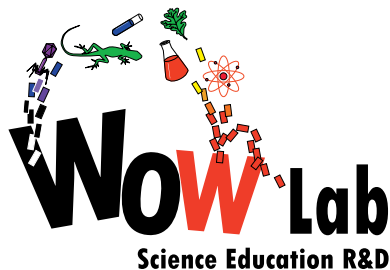
G = Grocery Store
 H = Hardware Store
 O = Online

P = Pharmacy
 S = Specialty Store
 U = University

CONSUMABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
acrylic paint	1.5 L	A	\$18.00
medium-density fibreboard (MDF)	see table below	H	\$34.00
sandpaper (80, 120, 220 grit)	1 pack/grit	H	\$12.00
tack cloth	1	H	\$1.00
wood	see table below	H	\$10.00
wood glue	250 mL	H	\$5.00 (for 500 mL)
1 in. and 2 in. wood screws	1 pack	H	\$8.00
varnish	1 L	H	\$10.00
COST OF CONSUMABLE ITEMS:			\$98.00

REUSABLE ITEMS			
Item	Amount Required	Purchase Code	Total Cost
tape	1 roll	D	\$1.00
cereal boxes	10	—	free
COST OF REUSABLE ITEMS:			\$1.00

INITIAL COST: \$99.00



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WOOD MEASUREMENTS			
Nominal (in.)	Actual (in.)	Lengths Required	Cost
2 x 1	1 1/2 x 3/4	two 381 mm (~15 in.) two 114 mm (~4 1/2 in.) total: 990 mm (~39 in.)	\$ 1.00 (for 8 ft.)
2 x 2	1 1/2 x 1 1/2	two 578 mm (~22 3/4 in.) two 216 mm (~8 1/2 in.) total: 1588 mm (~62 1/2 in.)	\$2.00 (for 8 ft.)
3 x 2	2 1/2 x 1 1/2	two 864 mm (~34 in.) two 356 mm (~14 in.) total: 2440 mm (~96 in.)	\$3.00 (for 10 ft.)
4 x 2	3 1/2 x 1 1/2	two 1295 mm (~51 in.) two 546 mm (~21 1/2 in.) total: 3682 mm (~145 in.)	\$4.00 (for two 8 ft.)
TOTAL COST:			\$10.00

MDF measurements	Sizes required	Cost
1/8 in. thick hardwood	see <i>Prep Instructions</i>	\$4.00 (for 4 ft. x 2 ft.)
1/2 in. thick MDF	see <i>Prep Instructions</i>	\$15.00 (for 97 in. x 49 in. sheet)
1 in. thick MDF	see <i>Prep Instructions</i>	\$15.00 (for 97 in. x 49 in. sheet)
TOTAL COST:		\$34.00

Tools

- paint brushes (various sizes)
- nail gun
- table saw