



Catching the Wind: Designing Windmills

Air, Weather, and Mechanical Engineering

Item Number	Item Description	Kit Quantity
Consumables		
77002	BAG, PLASTIC GROCERY	30
46219	BALL, FOAM 3" DIAMETER	30
30193	CARDS, INDEX 3X5" BLANK,PK/100	3
77005	CLOTH, FELT, RED 9X12" PK/10	5
30427-1	CUP, PAPER, NON WAXED, 3 OZ	100
52065	FISHING LINE 25 YD 20 PD.TEST	1
20708	FOIL, ALUMINUM STD WT 1X25FT	4
75071	GLUE STICK, WHITE, .28 OZ	5
77020	PAPER, COPIER, 8.5" X 11" REAM/500	1
30221	PAPER, TISSUE, ASST CLR, PK/20	2
30005	PAPER, WAXED, ROLL 75 SQ.FT	2
30205-50	STICK, CRAFT, PKG/50	6
NSN30428	STICK, HOLLOW,STIRRING	300
NSN77040	STRAWS, PLASTIC UNWRAPPED	5
77035	TAPE, CELLOPHANE, 3/4" WIDE	10
50735	TAPE, DUCT 10 YDS	1
52085	TRAY, STYROFOAM 8 X 10	2
25298	TWINE, PINK(MASONS LINE)275 FT	1
Nonconsumables		
77004	CAN OPENER, MECHANICAL	5
30096-1	DOWEL, 12 IN X .25 IN	15
77008	EGGBEATER	1
NSN77021	PENCIL, MECHANICAL, NON-REFILLABLE	5
46215	RULER, PLASTIC W/GROOVE 12 IN PK/6	4
31404-1	WASHER, METAL 7/8"OD X 3/8"ID	500
Packaging		
76499	TUB, CLR, W/CLR LID, 58.1 QT	1
The following items are not included in the kit and will need to be supplied by the user:		
	CHART PAPER	1 pad
	FAN (large box fans work well)	1
	JUICE CARTON (1/2 gallon (2 liters), washed, empty)	15
	MARKERS/CRAYONS, RED	15
	MARKERS/CRAYONS, BLUE	15
	PEN	1
	SCISSORS	30
	TEXTBOOKS	3
	WEIGHTS: WATER, SAND, PENNIES	33 cups

Note: Materials list is compiled for a classroom of 30 students.