

KidWind Challenge (recommended supplies)



Challenge	Kit Parts	Approximate Cost	Vendor	Link	Product Number
WIND	Basic kit (NOTE: A pvc turbine can be created more economically from pieces purchased from Lowe's/Home Depot.)	\$134.00	Vernier	https://www.vernier.com/product/kidwind-basic-wind-experiment-kit	KW-BWX
	gearbox/nacelle	\$18.00	Vernier	https://www.vernier.com/product/kidwind-nacelle/	KW-NAC
	drive train	\$8.00	Vernier	https://www.vernier.com/product/drivetrain-set/	KW-DS
	gear set	\$9.00	Vernier	https://www.vernier.com/product/kidwind-gear-set/	KW-GEAR
	generator with wires	\$20/3 pack	Vernier	https://www.vernier.com/product/kidwind-wind-turbine-generator-with-wires/	KW-GEN3
	alligator clips	\$13.95	Kelvin	https://kelvin.com/Alligator-Clip-to-Alligator-Clip-Test-Leads-18-in-L_p_317.html	330410
	multimeter with leads	\$6.95	Kelvin	https://kelvin.com/kelvin-50le-multimeter-w-buzzer_990177.html	990177
	hubs	\$16.00	Vernier	https://www.vernier.com/product/kidwind-wind-turbine-hub-3-pack/	KW-WTH3
	blade dowels	\$15/set of 25	Vernier	20	KW-D25
	5 in. V-notch wire stripper	\$4.00	Harbor freight	https://www.harborfreight.com/search?q=v-notch%20wire%20stripper	n/a
	The Boy Who Harnessed the Wind, by William Kamkwamba	\$17.00	Amazon		n/a
	Energy Island, by Allan Drummond	\$10.00	Amazon		n/a
	Wind the World Over, by Irene Bland and Vanessa Kellogg	\$12.00	Amazon		n/a
Catch the Wind, by Anne Johnson	\$13.00	Amazon		n/a	
SOLAR	wire lead buzzer	\$2.50	Kelvin	https://kelvin.com/Wire-Lead-Buzzer_p_486.html	680089
	solar panels	\$22.00	Vernier	https://www.vernier.com/product/kidwind-2v-400ma-solar-panel/	KW-SP2V10
	multimeter with leads	\$6.95	Kelvin	https://kelvin.com/kelvin-50le-multimeter-w-buzzer_990177.html	990177
	Jumbo 10mm Diffused LED bulbs	\$12/bag of 25	Brown Dog Gadgets	https://www.browndoggadgets.com/products/10mm-10mm-diffused-led-amber-25pcs?_pos=3&_sid=70a0b325f&_ss=r	n/a
	project motor with leads	\$2.95	Kelvin	https://kelvin.com/project-motor-w-leads_851949.html	851949
	lever switch	\$1.25	Kelvin	https://kelvin.com/Lever-Switch-SPST_p_514.html	270077
	alligator clips	\$13.95	Kelvin	https://kelvin.com/Alligator-Clip-to-Alligator-Clip-Test-Leads-18-in-L_p_317.html	330410
	5 in. V-notch wire stripper	\$4.00	Harbor freight	https://www.harborfreight.com/search?q=v-notch%20wire%20stripper	n/a
	Our Planet! There's No Place Like Earth, by Stacy McNulty and David Litchfield	\$11.00	Amazon		n/a
	Everyday Superheroes, by Erin Twamley, Joshua Sneiderman, et al.	\$18.00	Amazon		n/a
	Catch the Sun, by Anne Johnson	\$11.00	Amazon		n/a