

2025 EXPLORER, PIONEER, RANGER CLASS

ALL PRODUCT DEMONSTRATION TASKS PARTS LIST

Unless otherwise linked,
PVC fitting prices from:

PVCFittingsOnline

124 feet (38 meters)		1/2-inch PVC	\$4.71 / 10 ft	\$61.23
63		1/2-inch tees	\$0.46	\$28.98
27		1/2-inch 90 elbows	\$0.40	\$10.80
14		1/2-inch 45 elbows	\$0.60	\$8.40
3		1/2-inch cross	\$1.39	\$4.17
2		1/2-inch end cap	\$0.37	\$0.74
10		1/2-inch sideouts	\$1.94	\$19.40
2		1/2-inch coupling	\$0.25	\$0.50
2		3/4-inch to 1/2-inch reducing tee	\$0.57	\$1.14
1		3/4-inch male adapter	\$0.40	\$0.40
1		3/4-inch female adapter	\$0.52	\$0.52
42 cm		1-inch pipe	\$4.24	\$4.24
1		1-inch end cap	\$0.60	\$0.60
1		1-inch cross	\$2.91	\$2.91
5		1-inch coupling	\$0.60	\$3.00
5		1-inch to 1/2-inch reducer bushing	\$0.69	\$3.45
				\$0.00
150 cm		1 1/2-inch pipe	\$12.78	\$12.78
2		1 1/2-inch end cap	\$0.86	\$1.72
8		1 1/2-inch 45 elbow	\$1.91	\$15.28
2		1 1/2-inch coupling	\$0.80	\$1.60
1		1 1/2-inch cross	\$4.24	\$4.24
2		1 1/2-inch to 1/2-inch reducer bushing	\$0.99	\$1.98
35 cm		2-inch pipe	\$7.96	\$7.96
3		2-inch end cap	\$1.11	\$3.33
2		2-inch Tee	\$2.63	\$5.26
2		2-inch coupling	\$1.26	\$2.52
5		2-inch to 1/2-inch reducer bushing	\$1.66	\$8.30
25 cm		3-inch pipe	\$10.96	\$10.96
1		3-inch end cap	\$4.99	\$4.99
1		3-inch knockout cap	\$0.72	\$0.72
			Can substitute 3-inch ABS	
1		Corrugated plastic sheeting	\$35.48	\$35.48
1		Sterlite 6 qt plastic container with lid	\$1.98	\$1.98
1		Brick	\$0.50	\$0.50
1		rope	\$5.53	\$5.53
2		#310 U-bolt	\$1.98	\$3.96
1 pack		Industrial Strength Velcro (black)	\$10.93	\$10.93
8 meters		wire / cable	\$13.78	\$13.78
1		1 liter soft water bottle	\$12.95	\$12.95
1		2-gallon bucket with lid	\$6.46	\$6.46
1		Plastic cling wrap	\$4.54	\$4.54

Any wire may be used. The link is
for 16 gauge speaker wire.

1	Commercial carbon dioxide		\$63.45	\$63.45
100 cm	Foam flotation			
1	#6 screw hook		\$1.38	\$1.38
1	washcloth		\$1.97	\$1.97
1 pack	Black chenille strip (pipe cleaner)		\$1.99	\$1.99
1	Water wiggler		\$19.99	\$19.99
6	Ping pong balls	Multipack (50)	\$6.86	\$6.86
1	Pin		\$17.95	\$17.95
1	Red spray paint	Note: 1 can of spray paint can be used for multiple stations	\$5.98	\$5.98
1	Brown spray paint		\$5.98	\$5.98
	Black spray paint		\$5.98	\$5.98
1	Orange spray paint		\$5.98	\$5.98
1	Silver spray paint		\$5.98	\$5.98
1	Yellow spray paint		\$5.98	\$5.98
				\$477.70

Total Cost: \$477.70

The total price per product demonstration station is less if props and equipment from previous years are used or if a regional coordinator is running multiple product demonstration stations.
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Shipwrecks

2039 cm	1/2-inch PVC pipe
41	1/2-inch tees
21	1/2-inch 90 elbows
14	1/2-inch 45 elbows
3	1/2-inch crosses
2	1/2-inch sideouts
2	1/2-inch end cap
2	1/2-inch coupling
1	3/4-inch male adapter
1	3/4-inch female adapter
27 cm	1-inch PVC pipe
5	1-inch coupling
5	1-inch to 1/2-inch reducer bushing
20 cm	1 1/2-inch PVC pipe
2	1 1/2-inch end caps
2	1 1/2-inch coupling
10 cm	2-inch pipe
1	2-inch tee
2	2-inch to 1/2-inch reducer bushing
1	2-inch end cap
3 sq ft	Corrugated plastic sheeting
1	Sterilite 6 qt plastic container with lid
1	Brick
4 meters	rope
2	#310 U-bolt
	Velcro
4 meters	Wire
1	1 liter soft water bottle
1	2-gallon bucket with lid
1	Plastic cling wrap
10 cm	Foam flotation
1	Commercial carbon dioxide
1	Red spray paint
1	Orange spray paint
1	Brown spray paint
1	Black spray paint

Any similar plastic cling wrap will do.

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Marine Renewable Energy

1265	1/2-inch PVC	
18	1/2-inch tees	
6	1/2-inch 90 elbows	
8	1/2-inch sideouts	
2	3/4-inch to 1/2-inch reducing tee	
15	1-inch pipe	
1	1-inch end cap	
1	1-inch cross	
130 cm	1 1/2-inch pipe	
8	1 1/2-inch 45 elbow	
1	1 1/2-inch cross	
2	1 1/2-inch to 1/2-inch reducer bushing	
25 cm	2-inch pipe	
1	2-inch tee	
2	2-inch end cap	
2	2-inch coupling	
3	2-inch to 1/2-inch reducer bushing	
25 cm	3-inch pipe	
1	3-inch end cap	
1	3-inch knockout cap	
1	#6 screw hook	
4 meters	wire / cable	
480 cm	rope	
90 cm x 100 cm	Corrugated plastic sheeting	
100 cm	Foam flotation	
1	Velcro	
1	washcloth	
1 pack	Black chenille strip (pipe cleaner)	
1	Water wiggler	
6	Ping pong balls	Multipack (50)
1	Pin	
1	Silver spray paint	
1	Orange spray paint	
1	Yellow spray paint	