

## 2025 NAVIGATOR

### ALL PRODUCT DEMONSTRATION TASKS PARTS LIST

		Unless otherwise linked, PVC fitting prices from: <a href="http://PVCFittingsOnline">PVCFittingsOnline</a>		
27.06 m, 90 ft	<a href="#">1/2-inch PVC</a>	\$4.71 / 10 ft	\$42.39	
45	1/2-inch tees	\$0.46	\$20.70	
26	1/2-inch 90 elbows	\$0.40	\$10.40	
12	1/2-inch 45 elbows	\$0.60	\$7.20	
4	1/2-inch cross	\$1.39	\$5.56	
3	1/2-inch end cap	\$0.37	\$1.11	
10	1/2-inch sideouts	\$1.94	\$19.40	
2	1/2-inch coupling	\$0.25	\$0.50	
2	<a href="#">3/4-inch to 1/2-inch reducing tee</a>	\$0.57	\$1.14	
37 cm	<a href="#">1-inch pipe</a>	\$4.24	\$4.24	
1	1-inch end cap	\$0.60	\$0.60	
1	1-inch cross	\$2.91	\$2.91	
8	1-inch 45 elbow	\$1.14	\$9.12	
4	1-inch coupling	\$0.60	\$2.40	
6	<a href="#">1-inch to 1/2-inch reducer bushing</a>	\$0.69	\$4.14	
1	1 1/4-inch tee	\$1.53	\$1.53	
1	<a href="#">1 1/4 to 1/2-inch reducer bushing</a>	\$0.94	\$0.94	
15 cm	<a href="#">1 1/2-inch pipe</a>	\$12.78	\$12.78	
4	1 1/2-inch end cap	\$0.86	\$3.44	
45 cm	<a href="#">2-inch pipe</a>	\$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	
4	<a href="#">2-inch to 1/2-inch reducer bushing</a>	\$1.66	\$6.64	
15 cm	<a href="#">3-inch pipe</a>	<a href="#">Can substitute 3-inch ABS</a>	\$10.96	\$10.96
1	<a href="#">3-inch end cap</a>	\$4.99	\$4.99	
1	<a href="#">3-inch knockout cap</a>	\$0.72	\$0.72	
1	<a href="#">3-inch to 2-inch reducer bushing</a>	\$15.81	\$15.81	
1	<a href="#">Corrugated plastic sheeting</a>	\$35.48	\$35.48	
1	<a href="#">Sterilite 6 qt plastic container with lid</a>	\$1.98	\$1.98	
1	<a href="#">Brick</a>	\$0.50	\$0.50	
1	<a href="#">rope</a>	\$5.53	\$5.53	
2	<a href="#">#310 U-bolt</a>	\$1.98	\$3.96	
1 pack	<a href="#">Industrial Strength Velcro (black)</a>	\$10.93	\$10.93	
2	<a href="#">Test tubes</a>	\$9.48	\$9.48	
1	<a href="#">Litmus strip pH test</a>	\$6.59	\$6.59	
1	<a href="#">Clear label</a>	\$11.99	\$11.99	
4 meters	<a href="#">wire / cable</a>	\$13.78	\$13.78	
130 cm	Foam flotation			
1	<a href="#">#6 screw hook</a>	\$1.38	\$1.38	

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

1	<a href="#">Red Velcro hook 1-inch circle</a>		\$9.98	\$9.98
1 pack	<a href="#">Black chenille strip (pipe cleaner)</a>		\$1.99	\$1.99
1	<a href="#">Water wiggler</a>		\$19.99	\$19.99
6	<a href="#">Ping pong balls</a>	<a href="#">Multipack (50)</a>	\$6.86	\$6.86
1	<a href="#">Pin</a>		\$17.95	\$17.95
		<a href="#">Alternate temperature sensor (will need Arduino and other components)</a>		
1	<a href="#">Temperature sensor</a>		\$8.98	\$8.98
1	Red spray paint	Note: 1 can of spray paint can be used for multiple stations	\$5.98	\$5.98
1	Black spray paint		\$5.98	\$5.98
1	Brown 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
				\$411.92

<b>Total Cost:      \$411.92</b>
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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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## 2025 NAVIGATOR

### Shipwrecks

1434 cm	<a href="#">1/2-inch PVC pipe</a>
25	1/2-inch tees
20	1/2-inch 90 elbows
12	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
22 cm	1-inch PVC pipe
4	1-inch coupling
4	<a href="#">1-inch to 1/2-inch reducer bushing</a>
15 cm	1 1/2-inch PVC pipe
4	1 1/2-inch end caps
15 cm	2-inch pipe
1	2-inch tee
1	<a href="#">2-inch to 1/2-inch reducer bushing</a>
1	2-inch end cap
1	<a href="#">3-inch to 2-inch reducer bushing</a>
1 ft	Corrugated plastic sheeting
1	<a href="#">Sterlite 6 qt plastic container with lid</a>
1	<a href="#">Brick</a>
1	<a href="#">rope</a>
2	<a href="#">#310 U-bolt</a>
1	Velcro
2	<a href="#">Test tubes</a>
1	<a href="#">Litmus strip pH test</a>
10 cm	Foam flotation
1	Brown spray paint
1	Red spray paint
1	Yellow spray paint
1	Black spray paint

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## Marine Renewable Energy

1272	<a href="#">1/2-inch PVC</a>	
20	1/2-inch tees	
6	1/2-inch 90 elbows	
8	1/2-inch sideouts	
1	1/2-inch cross	
1	1/2-inch end cap	
2	<a href="#">3/4-inch to 1/2-inch reducing tee</a>	
15 cm	1-inch pipe	
1	1-inch end cap	
1	1-inch cross	
8	1-inch 45 elbow	
2	<a href="#">1-inch to 1/2-inch reducer bushing</a>	
1	1 1/4-inch tee	
1	<a href="#">1 1/4 to 1/2-inch reducer bushing</a>	
30 cm	2-inch pipe	
1	2-inch tee	
2	2-inch end cap	
2	2-inch coupling	
3	<a href="#">2-inch to 1/2-inch reducer bushing</a>	
15 cm	3-inch pipe	
1	<a href="#">3-inch end cap</a>	
1	<a href="#">3-inch knockout cap</a>	
1	<a href="#">#6 screw hook</a>	
4 meters	wire / cable	
40 cm	<a href="#">rope</a>	
115 cm x 70 cm	<a href="#">Corrugated plastic sheeting</a>	
120 cm	Foam flotation	
1	Velcro	
1	<a href="#">Red Velcro hook 1-inch circle</a>	1
1	<a href="#">Black chenille strip (pipe cleaner)</a>	
1	<a href="#">Water wiggler</a>	
1	<a href="#">Ping pong balls</a>	<a href="#">Multipack (50)</a>
1	<a href="#">Pin</a>	
1	Silver spray paint	

- 1 Orange spray paint
- 1 Yellow spray paint

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### *MATE Floats!*

1	<a href="#">Double stranded wire for temperature sensor</a>
1	Temperature Sensor