

2024 NAVIGATOR CLASS

ALL PRODUCT DEMONSTRATION TASKS PARTS LIST

			Unless otherwise linked, PVC fitting prices from: PVCFittingsOnline	
30.19 meters	1/2-inch PVC	110 ft	\$4.71 / 10 ft	\$51.81
81	1/2-inch tees		\$0.44	\$35.64
23	1/2-inch 90 elbows		\$0.38	\$8.74
3	1/2-inch cross		\$1.32	\$3.96
4	1/2-inch end cap		\$0.35	\$1.40
4	1/2-inch sideouts		\$1.85	\$7.40
6	3/4-inch x 3/4-inch x 1/2-inch tee		\$1.64	\$1.64
25 cm	1 1/2-inch pipe		\$5.76	\$5.76
2	1 1/2-inch end cap		\$0.82	\$1.64
1	1 1/2-inch tee		\$1.73	\$1.73
32 cm	2-inch pipe		\$7.96	\$7.96
2	2-inch end cap		\$1.06	\$2.12
1	2-inch Tee		\$2.51	\$2.51
12 cm	3-inch pipe	Can substitute 3-inch ABS	\$10.96	\$10.96
2	3-inch knockout cap		\$0.72	\$1.44
1	rope		\$5.53	\$5.53
1	3-inch Carabiner		\$8.99	\$8.99
2	#310 U-bolt		1.98	\$3.96
1	Pin		\$9.79	\$9.79
1	Plastic milk crate		\$9.98	\$9.98
1	Brick		\$0.47	\$0.47
3	#6 screw hook		\$1.38	\$4.14
223 x 36	Corrugated plastic sheeting		\$34.98	\$34.98
		Make sure to purchase the proper size. A smaller diameter tubing is also available, but will not fit over the tee barb		
1	Clear vinyl tubing		\$4.14	\$4.14
1	Brass tee barb		\$3.44	\$3.44
1	Plastic bowl		\$0.50	\$0.50
1	Mexican Beach Pebble Rocks		\$11.97	\$11.97
1	Industrial Strength Velcro (black)		\$10.93	\$10.93
1	Red electrical tape		\$7.68	\$7.68
1	Temperature sensor	Alternate temperature sensor (will need Arduino and other components)	\$12.99	\$12.99
		Any wire may be used. The link is for 16 gauge speaker wire.		
25 meters	wire / cable		\$8.88	\$8.88
1	Orange spray paint	Note: 1 can of spray paint can be used for multiple stations	\$6.48	\$6.48
1	Red spray paint		\$6.48	\$6.48
1	Blue spray paint		\$6.48	\$6.48
1	Yellow spray paint		\$6.48	\$6.48
1	Pink spray paint		\$6.48	\$6.48
1	Green spray paint		\$6.48	\$6.48
				\$321.96

Total Cost:

\$321.96

The total price per product demonstration station is much 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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OOI Parts List

128	1/2-inch PVC
10	1/2-inch tees
2	3/4-inch x 3/4-inch x 1/2-inch tee
20	2-inch pipe
1	2-inch end cap
12	3-inch pipe
2 meters	rope
1	3-inch Carabiner
	Foam flotation
1	#310 U-bolt
1	Pin
1	Plastic milk crate
1	Brick

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SMART Cable Parts List

1075	1/2-inch PVC
25	1/2-inch tees
16	1/2-inch 90 elbows
3	1/2-inch cross
1	1/2-inch end cap
2	1/2-inch sideouts
25	1 1/2-inch pipe
2	1 1/2-inch end cap
1	1 1/2-inch tee
2	#6 screw hook
400 cm	rope
23 x 22	Corrugated plastic sheeting
1	Blue spray paint

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Red Sea to Tennessee Parts List

1440 cm	1/2-inch PVC
45	1/2-inch tees
7	1/2-inch 90 elbows
2	1/2-inch end cap
2	1/2-inch sideouts
4	3/4-inch x 3/4-inch x 1/2-inch tee
12	2-inch pipe
1	2-inch end cap
1	2-inch Tee
40 cm	rope
200 x 36	Corrugated plastic sheeting
1	#310 U-bolt
1	#6 screw hook
1	Clear vinyl tubing
1	Brass tee barb
1	Plastic bowl
1	Mexican Beach Pebble Rocks
1	Industrial Strength Velcro (black)
1	Red plastic tape
1	Red spray paint
1	Orange spray paint
1	Blue spray paint
1	Yellow spray paint
1	Green spray paint
1	Pink spray paint

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MATE Floats! Parts List

80	1/2-inch pipe
1	1/2-inch tees
	Double stranded wire for
1	temperature sensor
1	Temperature Sensor
1	Green spray paint