

2024 RANGER/PIONEER CLASS

ALL PRODUCT DEMONSTRATION TASKS PARTS LIST

		Unless otherwise linked, PVC fitting prices from: PVCFittingsOnline	
35.79 meters	1/2-inch PVC	120 ft	\$4.71 / 10 ft \$56.52
94	1/2-inch tees		\$0.44 \$41.36
28	1/2-inch 90 elbows		\$0.38 \$10.64
5	1/2-inch cross		\$1.32 \$6.60
3	1/2-inch end cap		\$0.35 \$1.05
10	1/2-inch sideouts		\$1.85 \$18.50
5	3/4-inch x 3/4-inch x 1/2-inch tee		\$1.64 \$1.64
10 cm	1-inch pipe		\$4.24 \$4.24
1	1-inch end cap		\$0.57 \$0.57
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
42 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
25 meters	wire / cable	Any wire may be used. The link is for 16 gauge speaker wire.	\$8.88 \$8.88
1	Temperature sensor	Alternate temperature sensor (will need Arduino and other components)	\$12.99 \$12.99
223 x 36	Corrugated plastic sheeting		\$34.98 \$34.98
1	1/2-inch brass stop valve		\$9.68 \$9.68
1	Red Velcro		\$8.99 \$8.99
1	Clear vinyl tubing	Make sure to purchase the proper size. A smaller diameter tubing is also available, but will not fit over the tee barb	\$4.14 \$4.14
1	Brass tee barb		\$3.44 \$3.44
1	3/8-inch, 2 1/2-inch hex bolt		\$0.74 \$0.74
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	Orange spray paint	Note: 1 can of spray paint can be used for	\$6.48 \$6.48
1	Blue spray paint	multiple stations	\$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
			\$357.74

Total Cost: \$357.74

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.

2024 RANGER/PIONEER CLASS 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
4	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
2500	wire / cable
1	Temperature sensor
400 cm	rope
23 x 22	Corrugated plastic sheeting
1	Blue spray paint

2024 RANGER/PIONEER CLASS

Red Sea to Tennessee Parts List

1930	1/2-inch PVC
58	1/2-inch tees
12	1/2-inch 90 elbows
2	1/2-inch end cap
1	1/2-inch cross
8	1/2-inch sideouts
3	3/4-inch x 3/4-inch x 1/2-inch tee
10	1-inch pipe
1	1-inch end cap
12	2-inch pipe
1	2-inch end cap
1	2-inch Tee
30	3-inch pipe
2	3-inch knockout cap
40 cm	rope
200 x 36	Corrugated plastic sheeting
1	#310 U-bolt
45 cm	Red Velcro
1	#6 screw hook
1	Clear vinyl tubing
1	Brass tee barb
1	3/8-inch, 2 1/2-inch hex bolt
1	Plastic bowl
1	Mexican Beach Pebble Rocks
1	1/2-inch brass stop valve
1	Industrial Strength Velcro (black)
1	Orange spray paint
1	Blue spray paint
1	Yellow spray paint
1	Green spray paint
1	Pink spray paint

2024 RANGER/PIONEER CLASS
***MATE Floats!* Parts List**

150	1/2-inch pipe
1	1/2-inch tees
1	Green spray paint