RANGER PROP PARTS LIST

1/2-inch PVC pipe: up to 140 feet total.
100 feet for shipwreck (for largest dimension of shipwreck).
13 feet for paddlewheel (one of three possible designs).
6 feet for propeller (one of three possible designs).
7 feet for cargo container.
10 feet for rope debris.
7 feet for designated area.

½-inch PVC Tees: up to 36
19 tees for shipwreck.
4 tees for paddlewheel (one of three possible designs).
5 tees for cargo container and stand.
5 tees for cargo.
3 tees for rope debris.

½-inch PVC 90° elbows: up to 23
2 elbows for shipwreck.
4 elbows for propeller (one of three possible designs).
13 elbows for cargo container.
4 elbows for rope debris.
4 elbows for designated area.

½-inch 45° elbows: up to 11
3 elbows for shipwreck.
8 elbows for paddlewheel (one of three possible designs).

½-inch side outs (Lasco slip x slip x slip): 5
5 for shipwreck.

½-inch coupling: 1
1 for cargo container.

½-inch cross: up to 3
1 for paddlewheel (one of three possible designs).
1 for propeller (one of three possible designs).
1 for rope debris.

¾-inch PVC pipe: 12 cm
4 cm for sink hole vent.
8 cm for glass bottle.

One ¾-inch PVC coupling for sink hole vent.
One 3/4-inch slip x FHT PVC hose fitting (Orbit brand). Home Depot model # 53360, internet # 100130381, store SKU # 685707.

1-inch PVC pipe: up to 5 feet total.
55 cm for sensor string.
76 cm for mast head (one of three possible designs).

1-inch PVC tees: up to 4
Four for mast head (one of three possible designs).

1-inch end caps: 6
Six 1-inch end caps for sensor string.

2-inch PVC pipe: 5 cm
5 cm of pipe for glass bottle.

Two 2-inch couplings.
One 2-inch knockout cap: Home Depot model # 39101, internet # 100137732, store SKU # 508257.
One 2 inch x ¾-inch PVC reducer bushing: Home Depot part # XXXXX.
Amazon.com: http://www.amazon.com/Reducer-Bushing-Spig-Fitting-White/dp/B000FTF8OO/ref=sr_1_27?ie=UTF8&qid=1381633957&sr=8-27&keywords=pvc+reducer+bushing+2+x+3%2F4

3-inch ABS (or PVC): 20 cm
20 cm 3-inch pipe for float on sensor string.

One 3-inch knockout cap: Home Depot model # 39102, internet # 100122751, store SKU # 508260.

3/8-inch rebar: 5 cm
5 cm rebar for inside plastic bottle.

3-inch brass hinges: Home Depot model # 14911, internet # 202558082, store SKU # 237067.

Twelve #10-24 1-inch bolts: 3-pack Home Depot model # 31461, internet 202707304, store SKU # 462606.
Twenty four #10-24 nuts: (100 pack Home Depot model #18522, internet 100338356, store SKU # 254223.
¼-inch x 1 1.4-inch zinc plated Fender washers: 100 pack Home Depot model # 20100, internet # 100337946, store SKU # 590569.

Corrugated plastic: Approximately 1.2 meters (4 feet) x 1.2 meters (4 feet). Check sign stores or plastic stores for availability.

30 feet of 3/16 inch diamond braid polypropylene rope: Home Depot model # 64032, internet # 203200548, Store SKU # 347949. Used in sensor string and rope debris.

Plastic checkers:
Party City:
http://www.partycity.com/product/checkers+game.do?from=Search&navSet=checkers&bypass_redirect=1

Red plastic cups:

25 cm (10-inch) plastic plates: Target or other stores.

2-inch black on white lettering

Agar: Agar is available online, use a search engine to find agar agar (yes, two words). Also consider checking with your school's biology or chemistry departments before ordering, as many schools already have this product.

Plastic Saran wrap.