

Water rocket instructions for the “*Den 4 Dart*”

STEP 1:
Start with two 2
liter water bottles



Water rocket instructions for the “*Den 4 Dart*”

STEP 2:
Cut one bottle in half

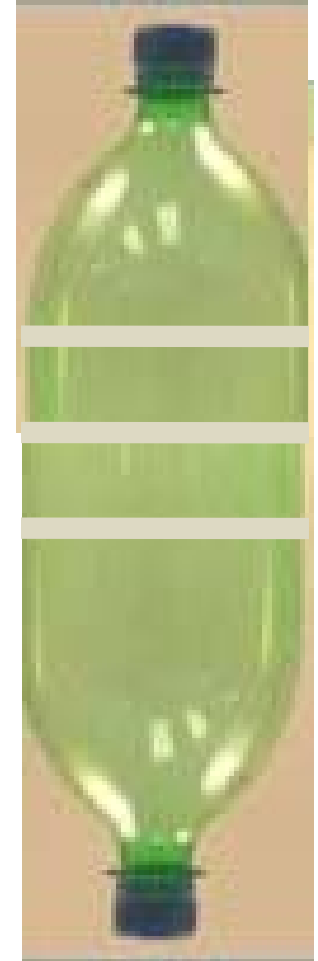
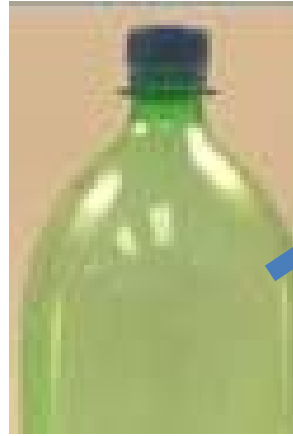


Water rocket instructions for the “Den 4 Dart”

STEP 3:

Take top cut portion
and tape to bottom
of whole bottle

Add three strips of
strapping tape for
strength



Water rocket instructions for the “Den 4 Dart”

STEP 4:

Carefully cut an “X” into a tennis ball (adults only)

Push onto top half of bottle (you can leave the cap on)

When finished, it will look like a mushroom

Note: The weight of the ball gives the rocket stability. Without some type of weight on top, the bottle will flip over from the thrust of takeoff. An alternate idea is to make a cardboard nosecone with clay inside.



Water rocket instructions for the “*Den 4 Dart*”

Step 5:

Tape on three fins to the sides and you’re done. Try to make sure that the fins are equal distance from each other

Foam core presentation board found at Office Depot works best. Poster board, paper or thin cardboard will not work.

