

Water Pump using 3 syringes

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This hand-pump was constructed by Rithvik of 9IC, [Sreenidhi International School](#) using the Butterfly-Fields Beta Kit. It didn't take more than 5 minutes to construct. The idea of using two ball bearings in the top and bottom syringes to function as valves is very innovative. This device beautifully illustrates the concepts of pressure, valves, and the design and working of a hand pump used to pump water from under-ground. The videos below demonstrate the working of this water pump.

{mp4}WaterPumpSyringes_01{/mp4}

{mp4}WaterPumpSyringes_02{/mp4}