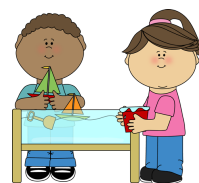


Water Area Progression Map



Progression of Skills	Resources
<p>Pouring/Emptying</p> <ul style="list-style-type: none"> • Tips to pour quickly. • Drops objects into the water. • Observes as they pour water from container to container. • Observes the way water moves. <p>Filling</p> <ul style="list-style-type: none"> • Fills containers until they overflow. • Randomly fills different containers. <p>Transporting/Transferring</p> <ul style="list-style-type: none"> • Carries water from A to B but spills large amounts of water along the way. • Explores the way water moves and is transported. • Tries to catch water as it is transported. <p>Stirring/Mixing</p> <ul style="list-style-type: none"> • Explores the way water moves as they mix and stir it. • Spills some water when mixing. 	<ul style="list-style-type: none"> • Different sized beakers • Different sized containers • Irregular shaped containers • Buckets • Water wheel • Wooden spoons • Transparent plastic bottles (different sizes/same size), with and without holes in different places to make different flow and patterns • Watering cans • Sponges • Fishing nets
<p>Pouring/Emptying</p> <ul style="list-style-type: none"> • Pours slowly into an intended place (e.g. back into the tray or in another container as not to lose any). <p>Filling</p> <ul style="list-style-type: none"> • Fills containers with increasing control. • Fills containers with a desired amount. <p>Transporting/Transferring</p> <ul style="list-style-type: none"> • Carefully carries water from A to B but spills a little. • Explores using a range of resources and techniques to transfer water (e.g. funnels, pipes). <p>Stirring/Mixing</p> <ul style="list-style-type: none"> • Mixes slowly as not to spill. • Increased control when mixing. • Mixes with a goal in mind (e.g. can they make more bubbles?) 	<ul style="list-style-type: none"> • Different sized containers • Graduated jugs/buckets • Jugs with spouts • Jugs with handles • Pots and pans • Colanders • Kitchen utensils • Natural materials • Funnels • Some transparent containers • Whisks • Sieves • Drainpipes/gutters • Brushes for mark making
<p>Pouring/Emptying</p> <ul style="list-style-type: none"> • Pours a desired amount of water into a chosen container. • Pours with increased accuracy. <p>Filling</p> <ul style="list-style-type: none"> • Fills a container to their intended point of fill. • Starting to read scales when filling. <p>Transporting/Transferring</p> <ul style="list-style-type: none"> • Spills little or no water when transporting. • Does not fill the container to the top - shows an awareness of how much they can carry without spilling. • Plans and uses the most effective ways to transport water to avoid spillages. <p>Stirring/Mixing</p> <ul style="list-style-type: none"> • Understands what will happen to the water when they mix it. • Loses little or no water when mixing. 	<ul style="list-style-type: none"> • Spoons with slots and holes in • Measuring spoons • Graded set of jugs, measuring cylinders, beakers • Different sized spoons • Piping • Pipettes, basters • Water pump • Materials to explore floating and sinking • Thermostats • Magnets • Guttering stands (to allow water to flow at different levels)

Water Area Progression Map



Area-Specific Vocabulary	Key Questions
<p><u>Core</u></p> <p>Fill, pour, tip, pouring, hold.</p> <p>Drop, drip, splash, spray, bubble, bubbly, ice cube, foam, squirt, slip, slide, stir, mix, squeeze, deep.</p> <p>Catch, collect, wash, clean.</p> <p>Change, fast, slow, up, down.</p> <p>Full, empty, gone, more, less, top, bottom.</p> <p>Wet, dry, soggy, water, ice, cold, warm.</p> <p>Move, waves, river, pond, rain, sea, puddle.</p> <p><u>Extended</u></p> <p>Capacity, liquid.</p> <p>Trickle, gush, flow, sprinkle, damp, soak, drench, moist, drizzle, seep, whisk, leak, frothy, melt, melting.</p> <p>Half empty, half full, almost full, nearly full, almost empty, nearly empty, brim, level, measure, overflow, shallow.</p> <p>Hotter, colder, warmer, cooler.</p> <p>Float, sink, surface, moisture, deeper, deepest, faster, slower, evaporate, direction, ripple.</p> <p>Reflection, reflect.</p> <p>Canal, channel, stream, drain, flood, meander, ocean, well, fountain, waterfall, iceberg.</p> <p>Waterspout, waterproof.</p> <p>Transparent, clear, see-through.</p>	<ul style="list-style-type: none"> • Tell me what you discovered. • Show me how you... • How could we...? • Why did that happen? • I wonder what would happen if... • What do you notice when we...? • What tool would help you? • Would it be better if...? • Can you fill/half fill/empty the bucket? • How much water do you need to add? • How has the ice/water changed? • How could we investigate the best material to make Teddy a coat to keep him dry? • What can you see in the water? • How can we move the water? What would be the best way? • Why do you think it flows that way? • Which container holds the most? How could we find out? • Can you find two containers that hold the same amount of water? • How many jugs/cups of water will fill the bucket? • What happens when we place these objects into the water? • I think this item will float. What do you think? How could we check? • What do you think will happen if: <ul style="list-style-type: none"> we pour the water onto the water wheel? we pour the water from this container into that one? we put pebbles into this jug of water? we put sponges into the water?