



# Test The Waters Kit **MATERIALS LIST**

The NLM\_Cornerstones of Science *Test The Waters* Kit MATERIALS LIST consists of most kit items, quantities, costs and vendors should you want to replace, refurbish or replicate the kit. Each kit item has an associated weblink where you can either purchase or download additional items. All braille overlays found in this kit will NOT be available going forward as the NLM\_Cornerstones of Science *Test The Waters* Kit is a limited edition, and created as part of National Institutes of Health and National Libraries of Medicine *All of Us* Research program's celebration of Citizen Science Month in April 2020. All costs highlighted in this list are approximate as prices have varied over time.

**NOTE: As materials were bought in bulk to keep prices low to create this kit, individual items might be priced higher due to the purchasing of low quantities.**

*We hope your patrons and their families enjoy the exploration of the role and importance water plays in their lives.*



Item	Description	Quantity	Cost	Vendor Weblinks
Plastic Kit Tote With Top	Ziploc Weathershield Storage Box (18Lx12Wx7H)	1	\$11.00	<a href="https://www.amazon.com/IRIS-Weathertight-Storage-Box-Quart/dp/B00CY53M4U/ref=sr_1_18?crid=2NFY9A0GOYD7P&amp;dchild=1&amp;keywords=clear+storage+containers&amp;qid=1605285018&amp;refinements=p_36%3A1253523011&amp;rnid=386465011&amp;s=home-garden&amp;prefix=clear+stor%-2Caps%2C209&amp;sr=1-18">https://www.amazon.com/IRIS-Weathertight-Storage-Box-Quart/dp/B00CY53M4U/ref=sr_1_18?crid=2NFY9A0GOYD7P&amp;dchild=1&amp;keywords=clear+storage+containers&amp;qid=1605285018&amp;refinements=p_36%3A1253523011&amp;rnid=386465011&amp;s=home-garden&amp;prefix=clear+stor%-2Caps%2C209&amp;sr=1-18</a>
<b>Documents</b>				
<i>Test The Waters</i> Family Exploration Kit Guide	A seven-page step-by-step guide to all activities found in the kit. (Not laminated)  <b>NOTE: The guide is also available in audio files in Arabic, Chinese, English, Spanish and Vietnamese.</b>	1	\$0.00	<i>Test The Waters</i> Family Exploration Kit Guide: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>  Audiofiles: <a href="https://nnlm.gov/national/guides/crowdsourcing-and-citizen-science/citizen-science-kits-audio">https://nnlm.gov/national/guides/crowdsourcing-and-citizen-science/citizen-science-kits-audio</a>
Kit Inventory Sheet	A one-page list of all items found in the NLM_Cornerstones of Science <i>Test The Waters</i> Kit. (Not laminated)	1	\$0.00	Download Kit Inventory Sheet at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
Citizen Science Flyer Sheet	A one-page description of citizen science opportunities NLM has partnered with SciStarter.org on for your library to promote to interested patrons		\$0.00	Download Citizen Science Flyer at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
Crowd The Tap Flyer Sheet	A one-page step-by-step flyer for families to use and experience participating in the Crowd The Tap citizen science research project. (Not laminated)	1	\$0.00	Download Crowd The Tap Flyer at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
Lead In My Water Poster	A one-page step-by-step poster of questions and agencies to call if families find lead in, or find more information about, their drinking water. (Not laminated)	1	\$0.00	Download Lead In My Water Poster at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
NLM_Cornerstones of Science Evaluation Sheet	A one-page description and QR code that requests that kit users help us evaluate the quality, usefulness and impact of the kit on their families. (Not laminated)	1	\$0.00	Download Evaluation Sheet at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>

Item	Description	Quantity	Cost	Vendor Weblinks
<b>Activity 1</b>	<b>WATER FOR LIFE</b>			
Human Body Apron Key	A detailed answer-key for those who are using the Human Body Apron found in the kit. <b>(Braille version not available).</b>	1	\$0.00	Download Human Body Apron Key at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
Human Body Apron	A plastic apron with velcroed attachments that comes complete with the following organs: Bladder; Large intestines; Small intestines; Stomach; Kidneys (2); Liver; Lungs (2); Heart; Trachea; and, Esophagus.	1	\$20.00	<a href="https://www.amazon.com/KAKIBLIN-Awareness-Educational-Insights-Preschool/dp/B07KFCQDGX">https://www.amazon.com/KAKIBLIN-Awareness-Educational-Insights-Preschool/dp/B07KFCQDGX</a>
Velcro Headband and Armband	Used to attach velcroed Water Cards	1	\$15.80	Comes in ½" x 25-yard roll  <a href="https://www.amazon.com/VELCRO-BRAND-ONE-WRAP-TAPE-YARD/dp/B071Y3TVNT/ref=sr_1_1?dchild=1&amp;keywords=velcro+strap-ping&amp;qid=1605214305&amp;sr=8-1">https://www.amazon.com/VELCRO-BRAND-ONE-WRAP-TAPE-YARD/dp/B071Y3TVNT/ref=sr_1_1?dchild=1&amp;keywords=velcro+strap-ping&amp;qid=1605214305&amp;sr=8-1</a>
Glass of Water Cards	A set of 4"x5" trivia cards with answers (Not laminated)	8	\$0.00	Download cards at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
2.5-gallon storage bag for Water For Life Activity	The Human Body Apron and organ pieces are stored together	1	\$3.99	12-count box Hefty Slider Jumbo Storage Bags found at local grocery store
1.0-gallon bag	Stores Human Body Apron Organ pieces	1	\$5.99	28-count Ziploc Gallon Freezer Bags found at local grocery store
9"x5" clear bag	Stores Water Cards	1	\$3.99	19-count Ziploc Quart Freezer Bags found at local grocery store
<b>Activity 1, Part 2</b>	<b>TEST THE INTESTINES</b>			
Small Intestine	22-ft Pink Plastic Tubing (poly-tubing, 4 mil, 2-inch)	1	\$24.00	Only comes in 2" x 500' roll  <a href="http://www.uline.com">www.uline.com</a>
	Wooden Balls, various sizes	5	\$6.25	<a href="http://www.caseywoodproducts.com">www.caseywoodproducts.com</a>
<b>Activity 2</b>	<b>DOWN THE DRAIN</b>			
Storm Drain Picture				Not available for download. <b>NOTE:</b> Can find storm drain pictures for use in library on website or local water agency can provide examples.
Storm Drain Container	2 Qt. Clear Plastic Food Container (9Lx6Wx4H)	1	\$6.00	<a href="http://www.uline.com">www.uline.com</a>
Down The Drain Props	Green Fizzers, Non-toxic Color Tablet		\$7.00	Comes with 108 tablets  <a href="http://www.stevespanglerscience.com">www.stevespanglerscience.com</a>
	Artificial Greenery – Plastic leaves and twigs (3 of each)	6	\$3.00	Local Walmart or Dollar Store
	Rubber Coyote Scat	1	\$11.95	Acorn Naturalists <a href="https://www.acornnaturalists.com/products/tracking-resources/track-scat-replicas/scat-replicas/coyote-scatcastr-replica-omnivore-diet.html">https://www.acornnaturalists.com/products/tracking-resources/track-scat-replicas/scat-replicas/coyote-scatcastr-replica-omnivore-diet.html</a>
	Plastic bottle, small (trash)	1	\$2.00	Walmart. <b>NOTE:</b> A recycled travel shampoo bottle will work well.
Down The Drain Story Cards	A set of 4 cards with answers (not laminated)	4	\$0.00	Download cards at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>



Item	Description	Quantity	Cost	Vendor Weblinks
<b>Activity 3</b>	<b>PIPE UP!</b>			
Pipe Puzzle Board Diagram	A Black and White Picture of House With Pipe Information (Not laminated)	1	\$0.00	Download Pipe Puzzle Board Diagram at: <a href="https://nnlm.gov/national/guides/ccs/kits">https://nnlm.gov/national/guides/ccs/kits</a>
<b>Part 1 – PIPE UP! Parts Bag</b>				
Galvanized Pipe	½-inch Galvanized Malleable Band Coupling	1	\$3.98	<a href="https://www.homedepot.com/">https://www.homedepot.com/</a>
Copper Pipe	½-inch, Copper Coupling with stop	1	\$2.00	<a href="https://www.homedepot.com/">https://www.homedepot.com/</a>
PVC Pipe	½-inch Schedule 40 PVC Coupling Socket	1	\$2.00	<a href="https://www.homedepot.com/">https://www.homedepot.com/</a>
Simulated Lead Pipe (Chalk Piece)	Blue Chalk, 4 x 1 inch	1	\$2.50	<a href="https://dixonwriting.com/">https://dixonwriting.com/</a>
<b>Part 2 – Get The Lead Out Parts Bag</b>				
Copper Washer	Copper Washer, M10x20x2mm	1	\$2.00	<a href="https://www.homedepot.com/">https://www.homedepot.com/</a>
Magnet with Hook/Handle	Hook Magnet	1	\$4.00	<a href="https://www.staples.com/">https://www.staples.com/</a>
<b>Activity 4</b>	<b>CROWD THE TAP</b>			
<b>Crowd The Tap Parts Bag</b>				
Copper Washer	Copper Washer, M10x20x2mm	1	\$2.00	<a href="https://www.homedepot.com/">https://www.homedepot.com/</a>
Magnet with Hook/Handle	Hook Magnet	1	\$4.00	<a href="https://www.staples.com/">https://www.staples.com/</a>
Water Test Strip (in bottle)	Baldwin Meadows 14-in-1 Water Test Kit	1	\$22.00	<a href="https://baldwin-meadows.com/product/14-in-1-drinking-water-test-kit/">https://baldwin-meadows.com/product/14-in-1-drinking-water-test-kit/</a>

