

Test The Waters

Family Exploration Kit



SANITATION GUIDE



**Cornerstones
of Science**
awakening curiosity, enriching lives

All of Us
RESEARCH PROGRAM



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Acknowledgements

The NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide required a lot of advice from librarians and workers on the front line who are in the midst of implementing sanitation protocols on a variety of materials found in library collections. The authors would like to acknowledge LaShawn Myles, Maryland State Library for the Visually Impaired and Handicapped and Lydia Nadine Collins, Participant Engagement Lead NNLN *All of Us*, Training and Education Center for their expert advice and editorial support of this guide and of the NLM_Cornerstones of Science *Test The Waters* Kit.

Disclaimer

The contents of this Sanitation Guide (the “Guide”) are recommendations only. Cornerstones of Science (“Cornerstones”), and the authors of this Guide, are not public health experts, doctors or scientists. Cornerstones drafted the recommendations contained in this Guide based upon its access to guidance and protocols issued by federal and state public health agencies, including Centers for Disease Control, the American Library Association, and WebJunction, as cited throughout this Guide.

The purpose of this Guide is to provide a framework for sanitizing the materials found in the NLM_Cornerstones of Science *Test the Waters* Kit in an effort to slow the transmission of COVID-19 and other viruses and/or infectious diseases. Because this Guide is based upon information that was available to Cornerstones at the time it was drafted, and information related to COVID-19 and other viruses and/or infectious diseases is continuously changing and evolving, the recipients of this Guide acknowledge and understand that it is their responsibility to remain apprised of federal, state, and local guidance and directives related to COVID-19 and other viruses and/or infectious diseases and to implement such guidance and directives as necessary for sanitizing the science kits. If there is an outbreak of Covid-19 or other viruses and/or infectious diseases in your area, you may want to temporarily suspend public access to the science kits.

While sanitation measures, such as those found in this Guide, are believed to slow the transmission of COVID-19 and other viruses and/or infectious diseases, the recipients of the science kits understand and acknowledge that, notwithstanding such measures, they or others may be exposed to COVID-19 or other infectious diseases by virtue of their contact with the science kits.

SANITATION GUIDE ✨

Circulating the NLM_Cornerstones of Science *Test The Waters* Kit is a great way to engage families in citizen science and increase awareness of how science directly affects their decisions and the lives of everyone on a daily basis in the safe environment of their homes. It is great that your library is able to provide hands-on learning experiences. It is important, however, that the materials found in this kit are not only fun and engaging but are also safe to handle and use by everyone.

The NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide is designed to help library staff handle and safely disinfect all of the elements found within the kit. Recommendations will focus on three areas: 1) library staff handling the kit upon the return and during check-out processes; 2) all family members, young and old alike, who use the kit; and 3) the elements of the kit themselves so that they are kept in good condition over the heavy use they will receive over the year both in terms of use and additional cleaning processes.

At the time of the development of the NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide, the COVID-19 pandemic was widespread. It is the recommendation that the processes outlined here, as a direct result of COVID-19, continue to be employed going forward when sanitizing the kit and after the pandemic has subsided. Every year the United States experiences cold/flu seasons, and what we have learned during this pandemic can and should apply here to mitigate and minimize the spread of germs. Our aim is to provide library staff who receive the NLM_Cornerstones of Science *Test The Waters* Kits with safe handling and sanitation processes so that families have continued access to engaging science enrichment experiences.



✨ Library Staff Considerations for Safely Handling the Kit

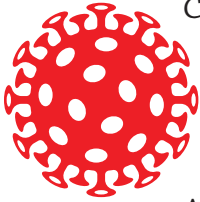
Staying Informed

There are many duties library staff performs on a daily basis: circulation; program planning; conservation and preservation of library collections; and disseminating information and reference support to patrons, businesses and government, to name a few. As such, it is important that library staff stay current with the latest information, and know where to get accurate resources and guidance in what is happening in their communities regarding public health issues such as cold/flu outbreaks; overall good handling practices that address germs, viruses, sanitation, scientifically sound practices for creating healthy, safe library spaces and collections. From the perspectives of cleaning, conserving and preserving collections (including loanable kits), library staff have been on the forefront with the latest understanding of the COVID virus survival rate on different curated surfaces. COVID-19 has brought to light that need for ongoing vigilant sanitation and disinfection library protocols, and that the implementation of these practices is critical for everyone to practice as germs and viruses are constantly present on everything we come in contact with on a daily basis.



Transmission of Viruses, Germs and Overall Level of Risk and Exposure to Library Staff and the Public

Library staff are considered by OSHA as having **Medium Exposure Risk** when libraries are open to the public <https://www.osha.gov/SLTC/covid-19/hazardrecognition.html>. OSHA defines this designation as: “These are jobs that require frequent/close contact with people who may be infected, but who are not known to have or suspected of having COVID-19 such as the general public (e.g., in schools, high population density work environments, and some high-volume retail settings).” The COVID-19 pandemic has brought to light how easy viruses and germs can spread.



Current evidence suggests that COVID-19 may remain viable for hours to days on surfaces on library space and collections. These viruses spread easily through hand-to-face contact, specifically the eyes, nose, and mouth. As we use our hands to hold books and handle loanable kits, it is important to understand the types of surfaces, length of time and type of germs/viruses that are possibly transmitted to the book or kit.

As it relates to sanitation of the NLM_Cornerstones of Science *Test The Waters* Kit, this OSHA designation and the profound awareness of transmission, via use of kit materials, provides the basis for the recommended strategies and precautions library staff should implement for handling this kit and providing the public with a safe experience when using the materials.

RECOMMENDATION: Going forward, and under an abundance of caution, the handling and sanitation strategies outlined in the NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide should become a part of daily operations in order for library staff to provide their patrons with this kit in a healthy, safe manner.



Terms Used in the Guide

The NLM_Cornerstones of Science *Test The Waters* Sanitation Guide uses specific terms (as defined by the CDC) to define the best strategy for how each item and/or material within the kit becomes sanitized. It is important to understand the distinctions and meaning between these terms as it relates to the degree of sanitation.

- **Cleaning** *removes* some germs, dirt, and other impurities using soap and water. Whenever possible and if appropriate, clean kit materials before disinfecting them.
- **Disinfecting** *kills* germs using chemicals <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html>. A list of products that are EPA-approved for use against the virus that causes COVID-19, cited in this guide, can be found at <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19>.
- **Quarantining** is a period of time and place of isolation in which the kit, having arrived from elsewhere, is placed in order to *reduce and/or kill* germs. By letting the materials/objects remain exposed to the air (in an area with little to no staff/public access) for an amount of time without the use of chemicals or additional handling, these more fragile materials can be safely disinfected and sanitized. Time is the best sanitizer <https://americanlibrariesmagazine.org/blogs/the-scoop/how-to-sanitize-collections-covid-19/>. The CDC has stated that the COVID-19 virus does not transfer readily from surfaces <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.htm>). That said, each library will need to exercise caution in accordance to their policies, risk tolerance, municipal guidance and available research.

Considerations for Circulating the NLM_Cornerstones of Science *Test The Waters* Kit

Color-Coding Kit Circulation Status

Library staff may want to consider a new decision-making procedure to determine the risks and overall safety of staff and patrons when borrowing the kit. For example, considerations during this COVID-19 and cold/flu season as well as overall general operations can be color-coded to indicate the level of safety for circulation of the kit and communicating to patrons the library's position for circulating the NLM_Cornerstones of Science *Test The Waters* Kit. Clearly mark the kits by applying a post-it note or taping a small piece of paper with the corresponding color to communicate current circulation status of the kit to all staff and patrons:



Red indicates **Not to Circulate**;



Yellow indicates **Circulate With Caution**, consider the overall safety of library staff and practice overall general cleaning and disinfecting processes, particularly if there are other community outbreaks like cold and/or flu; and,



Green indicates **Circulate Without Restrictions** but mindful of practicing the recommendations within this Sanitation Guide as an overall general cleaning and disinfecting process of the kit.

Temporarily Restricting Public Access to the Kit

If the public library is closed or has significantly reduced the number of visitors due to a major outbreak like COVID-19 or cold/flu, moving the kits into a temporarily restricted area might be a more suitable option rather than color coding. Temporarily restricting public access to the kits will reduce the need, cost, and stress of considering the implementation strategies of enhanced cleaning or quarantine/isolation.

Another consideration is that if the library is closed, doing curbside service only and/or limited hours by appointment, it is best to limit the types of books and materials, including this kit, that are circulated for the amount of labor required to safely quarantine and properly disinfect them.

Patron Communication

If there is go-ahead for the circulation of the kit, it will be critically important that library staff communicate with patrons regarding the new processes and expectations of safe handling during pick-up, drop-off and use of the kit and its materials going forward. Be sure to make the public aware early and often of their role in the protection and safety of the kit for their families and library staff. This will be helpful to secure positive participation by everyone.



Kit Check-Out Process

Outlined in this section are steps and recommendations your circulation staff can use when loaning out the NLM_Cornerstones of Science *Test The Waters* Kit.

Steps

1. Determination for the release of the NLM_Cornerstones of Science *Test The Waters* Kit to patrons will be based on current community public health information and library policies regarding the types of conditions library staff considers safe and appropriate for circulating the kit.

2. Provide clear patron communication as to the designated spot where they can pick up the kit, once it is reserved online or in-person, in order to minimize staff-patron contact. This can be done by informing the patron directly and/or as part of additional information on the library website/online reservations systems.

RECOMMENDATIONS

1. Provide a laminated copy of the Patron Safe Handling Guidelines printed on brightly colored paper in the kit before loaning it out to patrons so that they will have the critical information needed on the steps and place for safely returning the kit.
2. Post any new policies and guidelines regarding the circulation of the NLM_Cornerstones *Test The Waters* Kit on the library's website, and put posters on the front door, at the circulation desk and around the space where the kit is stored.
3. If your library provides online reservation services, provide simple, clear instructions that direct patrons to a designated "touch-free" pick-up spot for the kit.

Minimize Shared Surfaces

A good general practice is to minimize shared public surfaces. Outlined below is a list of recommendations library staff can use to safely handle and circulate the kit.

RECOMMENDATIONS

1. Minimize shared areas of touch by using contactless strategies for handing the kit to patrons such as clearly marked designated areas for picking up the kit.
2. If your library provides online reservation services, create a designated "touch-free" pick-up spot for the kit that is easily handled by patrons.
3. Provide a clearly marked sanitized plastic tote where patrons can place the NLM_Cornerstones of Science *Test The Waters* Kit for the library staff to safely retrieve and move to the sanitation station.



Kit Check-in Process

Outlined below is the recommended kit check-in process. Steps include:

1. Create a designated "touch-free" drop spot for the kit where patrons can return the kit safely. Be sure that patrons know where this designated spot is prior to leaving the library with the kit.
2. Provide a sanitized plastic tote box or gurney for patrons to place the kit into so that library staff only handle the sanitized check-in tote or gurney (and not the kit directly) safely with gloves.
3. Minimize the number of staff members touching and/or processing the kit after it is returned by the family to the library.



Kit Disinfecting Process

The kit disinfecting process is divided into three parts:

Part #1: Library staff and worker safety requirements for safe handling and disinfecting of the NLM_Cornerstones of Science *Test The Waters* Kit.

Part #2: Handling and Sanitation Process

Part #3: Recommendations and Alternative Strategies for Disinfecting Kit Materials

Part #1: Library Staff and Worker Safety Requirements for Safe Handling

You will need:

- Pair of gloves
 - Face Mask or Covering
 - Disposable/Plastic Apron
 - Disposable/Plastic Table Cloth
 - A designated area for sanitizing and quarantining kit materials
 - A sanitized tote box or gurney for patron to place used kit
1. Train and remind library workers to not touch their face and practice hand hygiene, especially after handling materials handled by others.
 2. Provide posters in those designated areas where handling and sanitation processes are occurring with these reminders.
 3. Library staff member(s) responsible for the sanitation of the kit should always have a pair of gloves, a plastic disposable apron and a mask covering securely on before processing the kit.
 4. In order to keep all kit items together, designate a location in the library where you will be able to open all activity bags, where the materials can be quarantined for up to 7 days without being disturbed, and where all items can be sanitized and left to fully dry before items are packed in their respective activity bags and plastic tote box.

Part #2: Handling and Sanitation Process

1. From the designated patron kit drop-off site, library staff should keep the entire kit in the sanitized patron tote box or gurney. Keep all activity bags in the plastic kit tote box.
2. Without moving the kit from the tote or gurney and without removing any of the activity bags or its contents out of the kit tote box, let the NLM_Cornerstones of Science *Test The Waters* Kit and all materials quarantine for 7 days before beginning any sanitation process.
3. Once the 7-day general quarantine of the kit is completed, sanitize only one activity bag at a time.
4. Place all items from only that specific activity bag that will be sanitized on a designated sanitized table. Process all of the activity bags from the kit in the same way.
5. Once all kit materials have been removed and sanitized, do not move the kit items until all have been properly dried and/or fully quarantined.
6. Re-pack kit.
7. Throw away disposable table cloth at the kit sanitation station, if one was used, otherwise re-sanitize the table surface. Also throw away all PPE used during the sanitation process of the kit.
8. Library should institute a thorough hand-washing immediately after the PPE was removed and thrown away.

Part #3: Handling and Sanitation Recommendations of Kit Materials and Objects

The NLM_Cornerstones of Science *Test The Waters* Kit uses a variety of material types, each requiring a specific sanitation and disinfecting process. Outlined in the following table are the recommended and alternative strategies for the safe handling and sanitizing of each kit material type.



Quarantine Process

There are items in the NLM_Cornerstones of Science *Test The Waters* Kit where the use of chemicals, liquids and significant cleaning/disinfecting procedures will harm some of the materials and objects found in the kit. The authors cite the REALM Project Systematic Literature Review <https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realm/systematic-lit-review.pdf> and Test Reports 1, 2 & 3 <https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realm/test1-report.pdf>, <https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realm/test2-report.pdf> and <https://www.webjunction.org/news/webjunction/test3-results.html> as well as the Northeast Document Conservation Center Preservation Leaflet https://www.nedcc.org/assets/media/documents/Preservation%20Leaflets/3_5_DisinfectingBooks_Print_2020.pdf, as the prevailing guidance for the quarantining of kit materials, within the NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide.



RECOMMENDATION: Due to the variety of materials and the cited recommendations of 5-7 days for most items found in the kit, it is the authors recommended strategy for all items, in the NLM_Cornerstones of Science *Test The Waters* Kit, is to be placed under a general kit quarantine for 7 days with activity materials remaining in their respective bags and within the kit container. The authors believe that the 7-day quarantine strategy is the simplest safe and effective method for sanitizing all objects equally within a designated sanitized space. In addition, the quarantining strategy is seen as safer on all of the objects as well as reducing library staff exposure. In addition, the quarantine strategy is most cost-effective as it may use less PPE, like gloves, masks and disposable aprons and cleaning products.



Use of Chemical Solutions

There are kit items where the appropriate use of EPA-approved disinfectants will be needed and/or preferred by the library staff. Always read and follow the directions on the label to ensure safe and effective use. <https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/cleaning-disinfection.html>

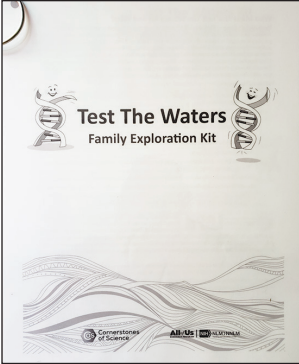
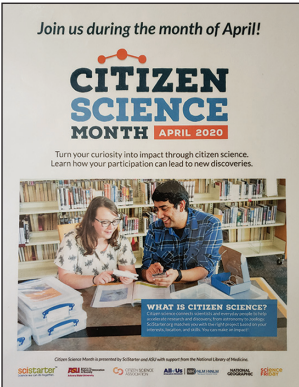
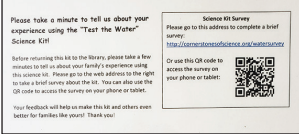
- Wear skin protection and consider eye protection for potential splash hazards
- Ensure adequate ventilation
- Use no more than the amount recommended on the label
- Use water at room temperature for dilution (unless stated otherwise on the label)
- Avoid mixing chemical products
- Label diluted cleaning solutions



NLM_Cornerstones of Science *Test The Waters* Kit Handling Recommendations Table

After the 7-day quarantine of the NLM_Cornerstones of Science *Test The Waters* Kit, additional sanitation procedures specific to the material type can take place. The table that follows provides recommended and alternative strategies for cleaning, disinfecting and sanitizing the kit.

Test The Waters Kit Handling Recommendations Table

Activity	Activity Part	Material	Sanitizing Method
<p>Laminated <i>Test The Waters</i> Activity Guide</p> 	<p>Laminated Pages and Metal Ring</p>	<p>Plastic and Metal</p>	<p>Recommended Strategy: Quarantine</p> <ol style="list-style-type: none"> 1. Unclasp ring 2. Take all pages off ring and lay flat on designated sanitized table. 3. Lay laminated pages on designated sanitized table to quarantine for 7 days. <p>Alternative Strategy: Disinfectant/ Alcohol Wipes Chemical Treatment</p> <ol style="list-style-type: none"> 1. Wipe down each laminated page of the guide (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray) and let dry on designated sanitized table. 2. Wipe down metal ring with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray) and let dry on designated sanitized table.
<p>Laminated <i>Citizen Science Month And Beyond</i> Insert</p> 	<p>Laminated Insert</p>	<p>Plastic</p>	<p>Recommended Strategy: Quarantine</p> <p>Place laminated insert on designated sanitized table and quarantine for 7 days.</p> <p>Alternative Strategy: Disinfectant/ Alcohol Wipes Chemical Treatment</p> <ol style="list-style-type: none"> 1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray). 2. Lay insert on designated sanitized table to completely dry.
<p>Science Kit Survey Insert</p> 	<p>Laminated Insert</p>	<p>Plastic</p>	<p>Recommended Strategy: Quarantine</p> <p>Place laminated insert on designated sanitized table and quarantine for 7 days.</p> <p>Alternative Strategy: Disinfectant/ Alcohol Wipes Chemical Treatment</p> <ol style="list-style-type: none"> 1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray). 2. Lay insert on designated sanitized table to completely dry.

ACTIVITY 1, PART 1 – WATER FOR LIFE

Human Body Apron
with Velcro Dots
and Braille Labels

Plastic and Polyester

**Recommended Strategy:
Quarantine Apron**

1. Unroll apron and lay completely flat with apron ties fully stretched out on designated sanitized table.
2. Quarantine apron for 7 days.



12 Organ Models

Fabric

**Recommended Strategy:
Laundering Fabric Organ Models**

Hand Washing and Drying Strategy

Hand Washing:

1. Soak fabric organ models in plastic tub with epa.gov-approved laundry detergent and follow instructions.
2. Rinse fabric organ models with clean water to remove soap.

Hand Drying:

1. Remove fabric organ models from plastic tub and gently pat down with towel to remove excess water.
2. Lay fabric organ models on designated sanitized table and let completely air dry.

**Alternative Strategy:
Machine Washing and Drying**

Machine Washing:

1. Place fabric organ models into a pillow case and tie off end so the fabric pieces do not fall out during the washing process.
2. Place pillow case with fabric organ models in washer on gentle cycle. Use epa.gov-approved laundry detergent (e.g. OxyClean)

Machine Drying:

1. After washing is complete, keeping the organ models in the pillow case, place in dryer on low heat/air dry for faster drying.

Alternative Drying Strategy:

1. After washing is complete, take organ pieces out of pillow case.
2. Place on designated sanitized table and let completely air dry.

Activity

Activity Part

Material

Sanitizing Method



Velcro Straps

Fabric

Recommended Strategy:
Laundering of Velcro Straps

Hand Washing:

1. Soak straps in plastic tub with epa.gov-approved disinfectant and follow instructions on package for use.

Hand Drying:

1. Remove Velcro straps from plastic tub and pat down with towel to remove excess water being careful not to pull on the Velcro dots.
2. Lay Velcro straps on designated sanitized table and let completely air dry.



Laminated *Water For Life* Trivia Cards

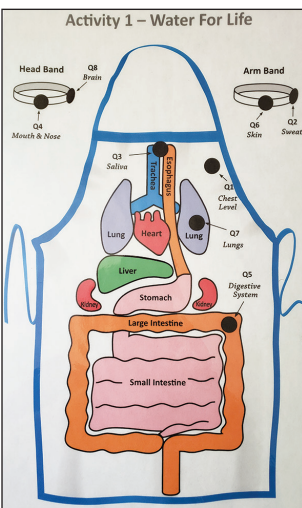
Plastic

Recommended Strategy:
Quarantine Cards

Lay laminated cards flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe down each laminated page (back-to-back) with epa.gov-approved disinfectants (e.g. Lysol Disinfectant Wipes or Spray).
2. Dry completely on designated sanitized table.



Laminated Human Body Apron Color and Braille Key

Plastic

Recommended Strategy:
Quarantine Laminated Key

Lay laminated insert flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe down laminated page (back-to-back) with epa.gov-approved disinfectants (e.g. Lysol Disinfectant Wipes or Spray).
2. Dry completely on designated sanitized table.



Storage Bag for Activity 1, Part 1

Plastic with Paper Label

Recommended Strategy:
Quarantine Storage Bag

Lay plastic bag flat on designated sanitized table and quarantine for 7 days.

Activity

Activity Part

Material

Sanitizing Method

ACTIVITY 1, PART 2 – TEST THE INTESTINES!



5 Beads

Wood

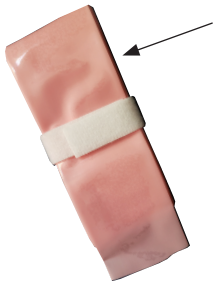
Recommended Strategy:

Quarantine Beads

1. Place wooden beads in either a disposable paper bowl or sanitized plastic bowl.
2. Place bowl on designated table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe wooden beads down with epa-approved disinfectants (e.g. Lysol Disinfectant or spray)
2. Completely dry on a designated sanitized table.

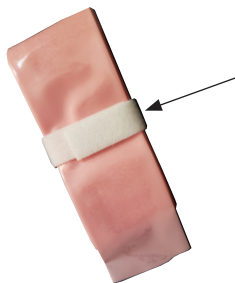


23 Feet of Pink Tubing

Plastic

Recommended Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe plastic tubing down with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray). **NOTE: Be sure to wipe down inside surfaces at the entry points of the tubing.**
2. Let the surfaces dry completely on designated sanitized table.



White Velcro Strap That Holds Pink Tubing

Fabric

Recommended Strategy: Hand Washing and Drying Strap

Hand Washing:

1. Soak straps in plastic tub with epa.gov-approved laundry detergent and follow instructions on package for use.
2. Rinse with clean water to remove all soap.

Hand Drying:

1. Remove Velcro straps from plastic tub and pat down with towel to remove excess water being careful around the Velcro dots.
2. Lay Velcro straps on designated sanitized table and let completely air dry.



Storage Bag for Activity 1, Part 2 Pieces

Plastic with Paper Label

Recommended Strategy: Quarantine Storage Bag

Lay plastic bag flat on designated sanitized table and quarantine for 7 days.

Activity

Activity Part

Material

Sanitizing Method

ACTIVITY 2 – DOWN THE DRAIN

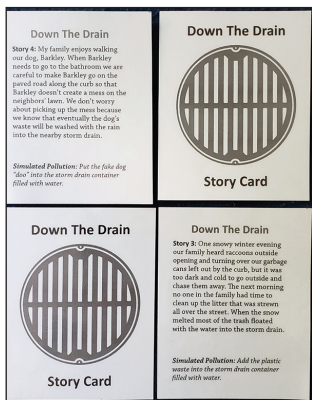


Storm Drain Container

Plastic with Label

Recommended Strategy: Quarantine Container
Place on designated sanitized table for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment
1. Wipe plastic container, both inside and outside, with epa.gov-approved disinfectant (e.g. Lysol Wipes).
2. Lay container on designated sanitized table until completely dry.



Down The Drain Story Cards

Plastic

Recommended Strategy: Quarantine Cards
Lay laminated cards flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment
1. Wipe down each laminated card (back-to-back) with epa.gov-approved disinfectants (e.g. Lysol Disinfectant Wipes or Spray).
2. Let dry completely on designated sanitized table.



Laminated Picture of Storm Drain

Plastic

Recommended Strategy: Quarantine Laminated Picture
Lay laminated insert flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment
1. Wipe down both sides of laminated page with epa.gov-approved disinfectants (e.g. Lysol Disinfectant Wipes or Spray).
2. Completely dry on designated sanitized table.



Down The Drain Story Card Props

Rubber and Plastic

Recommended Strategy: Quarantine Props
Lay all items on designated sanitized table and quarantine for 7 days.



Alternative Strategy: Cleaning Strategy for Scat, Twigs and Leaves
1. Soak scat, twigs and leaves in plastic tub with epa.gov-approved disinfectant (e.g. Lysol) and follow instructions on package for use.
2. Pat dry with paper towels. Lay items on designated sanitized table until completely dry.

Activity

Activity Part

Material

Sanitizing Method



Cleaning Strategy for Plastic Bottle

1. Wipe down bottle completely with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray).
2. Let dry completely on designated sanitized table.



Story Card Props Bag

Plastic with Paper Label

Recommended Strategy: Quarantine Storage Bag

Lay storage bag flat on designated sanitized table and quarantine for 7 days.

ACTIVITY 3, PART 1 – PIPE UP!

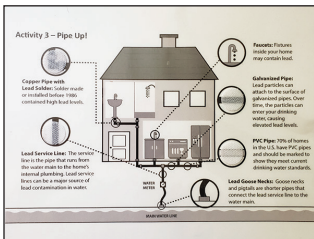


Pipe Up! Props

Galvanized Steel
Copper
Plastic
Chalk with Velcro Band

Recommended Strategy: Quarantine Galvanized Steel, Copper, Plastic Pipe and Chalk with Velcro Pieces

Lay all pieces out on designated sanitized table and quarantine for 7 days.



Laminated *Pipe Up!* Puzzle Board

Plastic

Recommended Strategy: Quarantine Laminated Puzzle Board

Lay laminated puzzle board flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray) being careful of Velcro dots.
2. Lay insert on designated sanitized table to completely dry.



Activity Storage Bag

Plastic with Paper Label

Recommended Strategy: Quarantine Storage Bags

Lay storage bag flat on designated sanitized table and quarantine for 7 days.

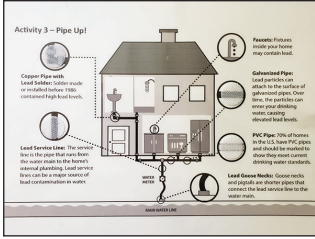
Activity

Activity Part

Material

Sanitizing Method

ACTIVITY 3, PART 2 – GET THE LEAD OUT!



Laminated *Pipe Up!* Puzzle Board

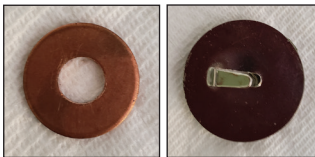
Plastic

Recommended Strategy: Quarantine Laminated Puzzle Board

Lay laminated puzzle board flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray) being careful of Velcro dots.
2. Lay insert on designated sanitized table to completely dry.



Copper Washer and Magnet with Metal

Metal

Recommended Strategy: Quarantine for Copper, Metal and Magnet Pieces

Lay all pieces out on designated sanitized table and quarantine for 7 days.



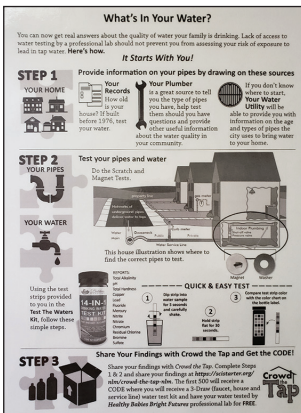
Activity Storage Bag

Plastic with Paper Label

Recommended Strategy: Quarantine Bag

Lay storage bag flat on designated sanitized table and quarantine for 7 days.

ACTIVITY 4 – CROWD THE TAP CITIZEN SCIENCE EXPERIENCE



Laminated *Crowd The Tap* Instruction Insert

Plastic

Recommended Strategy: Quarantine Laminated Insert

Lay laminated insert flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment

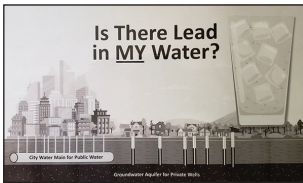
1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray).
2. Lay insert on designated sanitized table to completely dry.

Activity

Activity Part

Material

Sanitizing Method



Laminated *Is There Lead In My Water?* Script

Plastic

Recommended Strategy: Quarantine Laminated Insert
Lay laminated insert flat on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment
1. Wipe down page (back-to-back) with epa.gov-approved disinfectant (e.g. Lysol Disinfectant Wipes or Spray).
2. Lay insert on designated sanitized table to completely dry.



Test Strip

Plastic Tube with Plastic Stopper

Recommended Strategy: Quarantine Plastic Tube and Plastic Stopper
Lay plastic tube and plastic stopper separately on designated sanitized table and quarantine for 7 days.



Activity Storage Bag

Plastic with Paper Label

Recommended Strategy: Quarantine Storage Bags
Lay storage bag flat on designated sanitized table and quarantine for 7 days.



NLM_Cornerstones of Science *Test The Waters* Kit Tote Box

Plastic

Recommended Strategy: Quarantine Tote Box
Place on designated sanitized table and quarantine for 7 days.

Alternative Strategy: Disinfectant/Alcohol Wipes Chemical Treatment
1. Wipe plastic container, both inside and outside, with epa.gov-approved disinfectant (e.g. Lysol Wipes).
2. Lay on designated sanitized table until completely dry.

NLM_Cornerstones of Science Primary Resources

It is important that library staff have easy access to the primary resources used in the development of the NLM_Cornerstones of Science *Test The Waters* Kit Sanitation Guide.

1. Reopening Archives, Libraries and Museums (REALM) Project Reports 1, 2 & 3. Report 1 (June 22, 2020)

<https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realms/test1-report.pdf>

Report 2 (July 20, 2020)

<https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realms/test2-report.pdf>

Report 3 (August 18, 2020)

<https://www.webjunction.org/news/webjunction/test3-results.html>

Systematic Literature Report

<https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/realms/systematic-lit-review.pdf>

2. Emergency Preparedness Practices For Library Institution and Staff Safety – COSTEP MA: Coordinate Statewide Emergency Preparedness For Cultural Resources is a good site for federal, state and local information, guidance and resources for both personal and institutional safety for public libraries.

<https://mblc.state.ma.us/costepma/index.php/cultural-institutions/mitigation/public-health-emergencies/>

3. Centers for Disease Control

<https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/cleaning-disinfection.html> and <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/glossary.html>

4. Environmental Protection Agency

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19>

5. Northeast Document Conservation Center Preservation Leaflet

https://www.nedcc.org/assets/media/documents/Preservation%20Leaflets/3_5_DisinfectingBooks_Print_2020.pdf