# CO-CREATE GREYWATER RECYCLING: HOW TO

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## What is Greywater Recycling?

Greywater recycling is a method of capturing used water and reusing it for other purposes. For example, capturing and using water for handwashing to water plants and trees. Greywater recycling promotes efficient water-use practices around the school, and it also helps the school to develop a strategy to capture used water and direct it to productive purposes..

*An example of how a school has used basins to collect used water. Please note, greywater should never be used for drinking.

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## Why does Greywater Recycling matter for the climate and the environment?

a. It promotes water conservation and sustainability
b. It utilizes previously used/wasted water to support other school activities, such as gardening
c. It cultivates environmental awareness, stewardship and leadership among students

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## How Greywater Recycling connected to the broader climate action teacher champion toolkit?

Greywater recycling is critical to developing responsible water management at the school and sensitizing students to the value of preserving and reusing water. Also, by improving water management and use, we can support the long-term sustainability of other climate action solutions in the toolkit, such as the Wigwam and Vegetation Pots. This project is also critical to preparing the school for the Rainwater Harvesting (RWH) system that will be coming later in the year. Learners will not only already appreciate the value of reusing water and how to do it, but the school will have already made necessary preparations for the RWH.

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## Materials Needed:

a. 3 plastic buckets to catch wastewater
b. 3 marker packs to draw out your greywater recycling plan
c. 5 posters to document your strategy
d. 5 Paint colours to make signage for the wastewater collection areas to drive awareness and proper use

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## How do I set up the Greywater Recycling System?

1. With your students, go around your school grounds and assess, 1) current water use habits, and 2) water points at the school (places where water is being used and potentially lost), including hand washing, lavatories, rainwater gutters, cooking water. Note each of these water use points, how much water is being wasted, and what the quality of the water is. Draw and mark these using the poster and markers provided.
2. Using the same worksheet, discuss with your students how greywater at each water point you identified can be collected (using buckets) or diverted (using gardening tools)
3. Once you've identified how the water can be stored or diverted, discuss how it can be repurposed. Repurposing could include ideas like irrigation for gardens, vegetable pots, cleaning of lavatories, or cleaning of rooftop. Note these ideas under each water point.
4. Once your strategy is clear, make posters or signs to help students and teachers know about the project, its importance, and how to use it. Place the information close to the water points.
5. Now, it is time to set up the collection and reuse methods.
6. If you're collecting, add the buckets at the correct collection points. Collect the water and repurpose it.
7. If you're diverting water, use pangas or shovels in soil, or available piping to divert water for cleaning or irrigation purposes. repurposed. Repurposing could include ideas like irrigation for gardens, vegetable pots, cleaning of lavatories, or cleaning of rooftop. Note these ideas under each water point. or irrigation purposes.
    - Using the tools, dig small channels (depending on the soil from 50-100cm deep) from where the water taps are to useful places in the schools grounds such as gardens, trees, grass. Try to mitigate disrupting paths, learning areas, or play areas. Test that the water properly drains from the tap area and flows down the channels.

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## What will I see if Greywater Recycling is working?

- The buckets are collecting water and water is being reused
- The water is being diverted and directly feeding the garden or other school-identified recycled water needs
- There is a reduction in water consumption and waste
- There is increased awareness and appreciation for water conservation amongst learners and school stakeholders