



iwash

DiY Hand Washing Initiative

Do it yourself methodology for hand washing station designs using local craft and materials.

July 2021

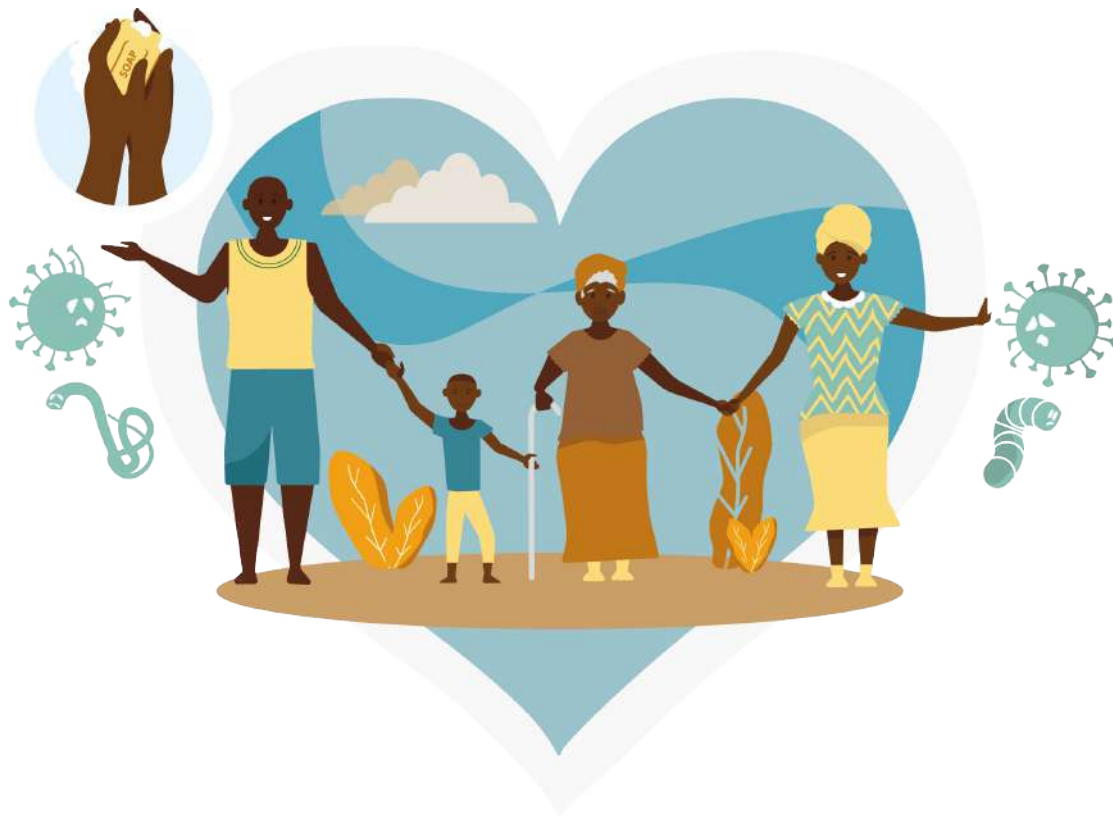
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African Water
Corridor



Water
for Impact



Index

1. Icons
2. Select your design
3. General considerations
4. All concepts
5. Keep in mind

Vision

Providing people with knowledge to create practical solutions to empower individuals to take sanitation into their own hands.

Hand Hygiene for **All** - COVID-19 Response

Hand washing with soap, when done correctly is critical in the fight against COVID-19 and many other water-borne infectious diseases.

This has called for developments in existing options and the creation of newer designs of hand washing stations.

This document is aimed to support WASH practitioners with knowledge on how to build hand washing stations that can be implemented to support running workshops and increase access to facilities to promote positive hand washing behaviours.

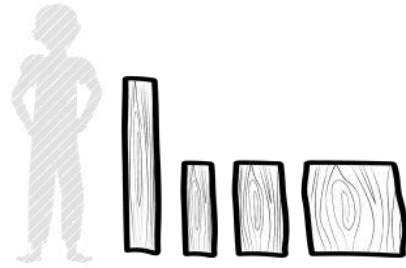


Icons

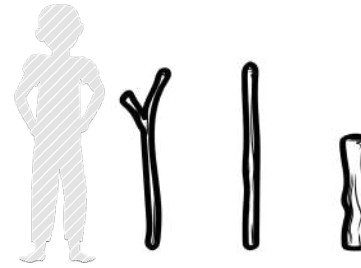
01.

Here you will find icons that are frequently used in the methodology. They act as guides for specific actions and components that are required to build the hand washing stations.

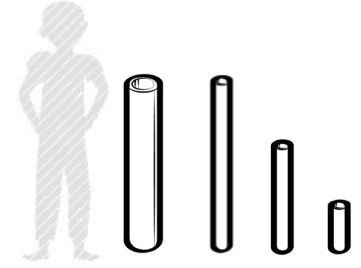
Frames



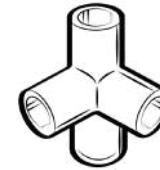
WOOD - Flat



WOOD - Round



PVC - 0.5" Tubes



PVC - 0.5" Connectors

Tools



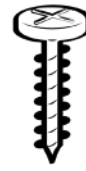
PENCIL



PLUMBERS TAPE



GLUE



SCREWS



SCREWDRIVER



SCREWDRIVER



SAW



SCISSORS



KNIFE



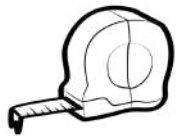
ROPE



NAILS



HAMMER



RULER



SANDPAPER



ROCKS



SHOVEL



CANDLE



LIGHTER

Water



SOAP



SOAP



PIPES/TUBES



TAP - Elbow



TAP - Hand



WATER



BUCKET (+ lid)



BOWL

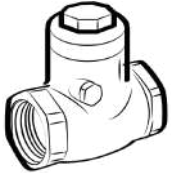


JERRY CAN



BOX (+ lid)

Fixtures



CHECK VALVES
0.5"



THREADED CONNECTOR
1.5" to 0.5"



REDUCER
3" to 1.5"



HOSE CLAMP
3"



INNER TUBE
- motor tire



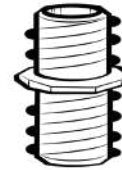
NUTS + BOLTS



HOSE BARBS
0.5"



BULKHEAD FITTING



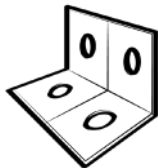
THREAD HEX NIPPLE
0.5"



THREAD HEX NIPPLE
0.5" to 2"



METAL PLATE
- multi corners



METAL PLATE
- 90deg



HOOK

Hand Hygiene Habits

02.

Having access to hand washing facilities, soap and water is an important first step but this needs to be complemented with actions to change hand washing behaviour.

Nudges, Cues and Beautification

Hand hygiene programs that focus only on hygiene education typically do not achieve behaviour change.

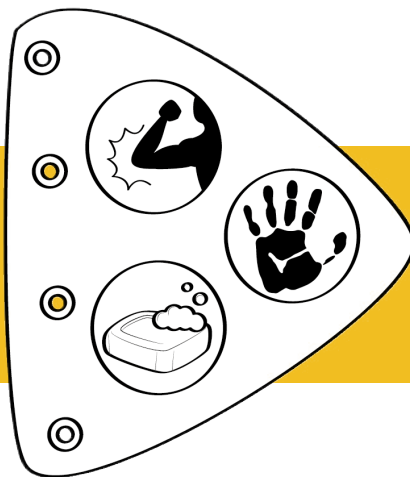
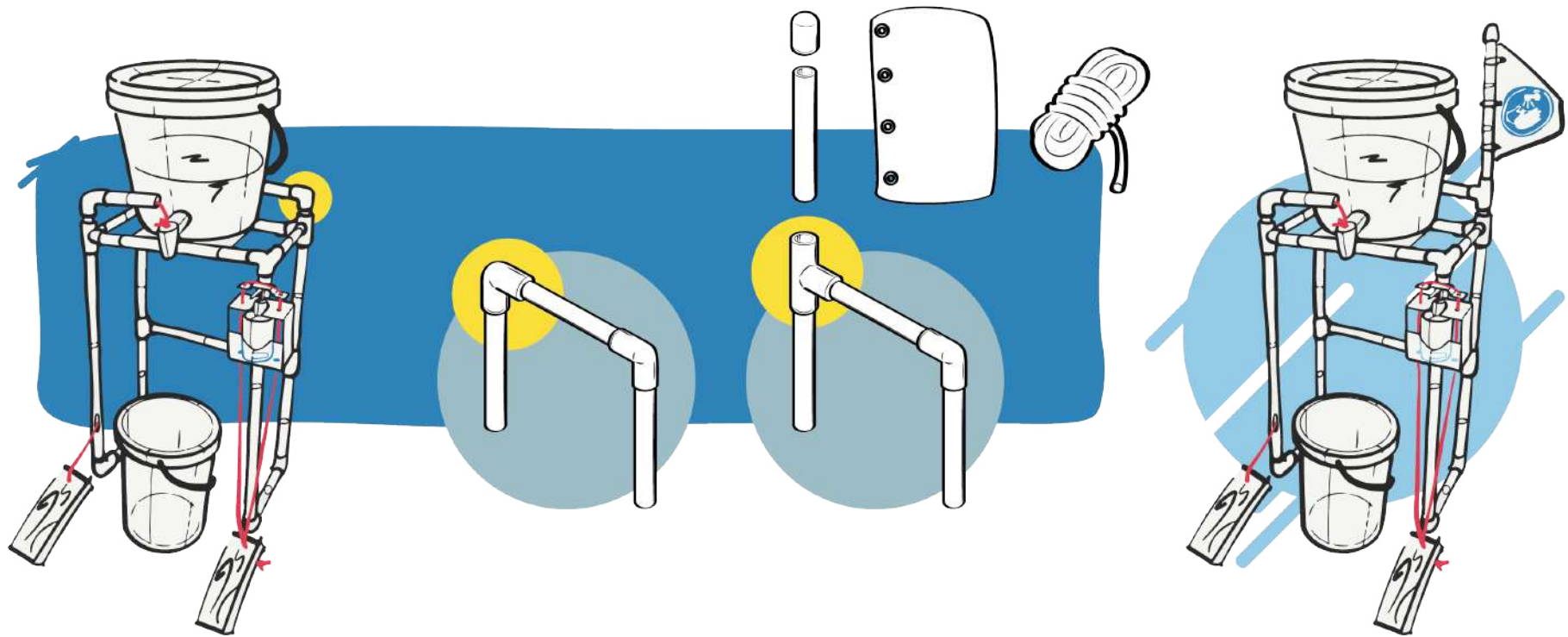


Nudges and cues that lead to, point to or emphasise hand washing facilities help remind people to use them.

Colourful hands painted around the hand washing facility can help remind people to use it too.

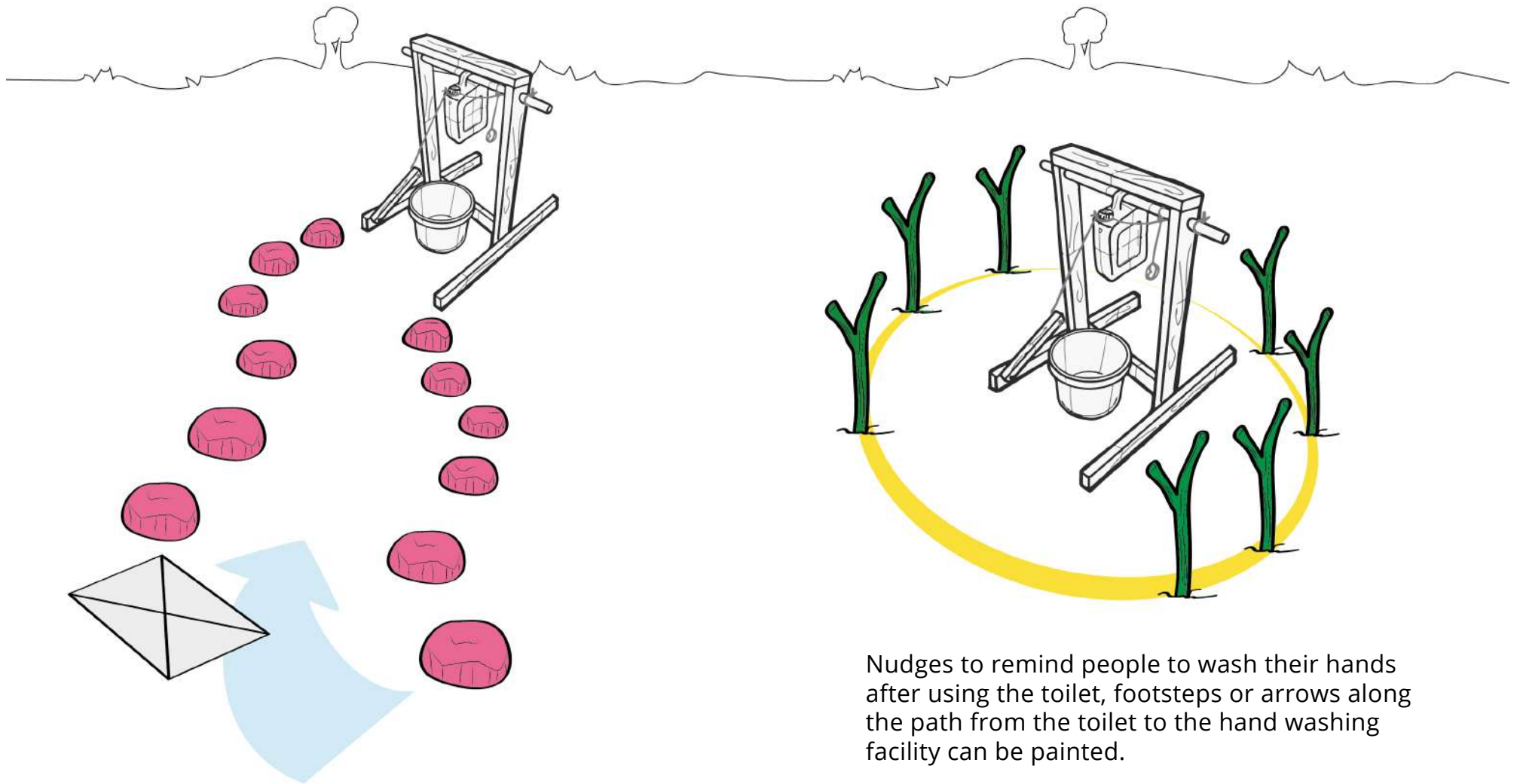
If users are involved in decorating hand washing facilities themselves, it may also increase familiarity and acceptability of the facility.





To increase accessibility it is useful to indicate how to use / interact with the station with information about hand washing at the station. Simple illustrations that take about 20 seconds to understand is favourable.

A study in Bangladesh showed that painting footprints on the path between the toilet and the hand washing facility increased hand washing behaviour by 64% in schools.

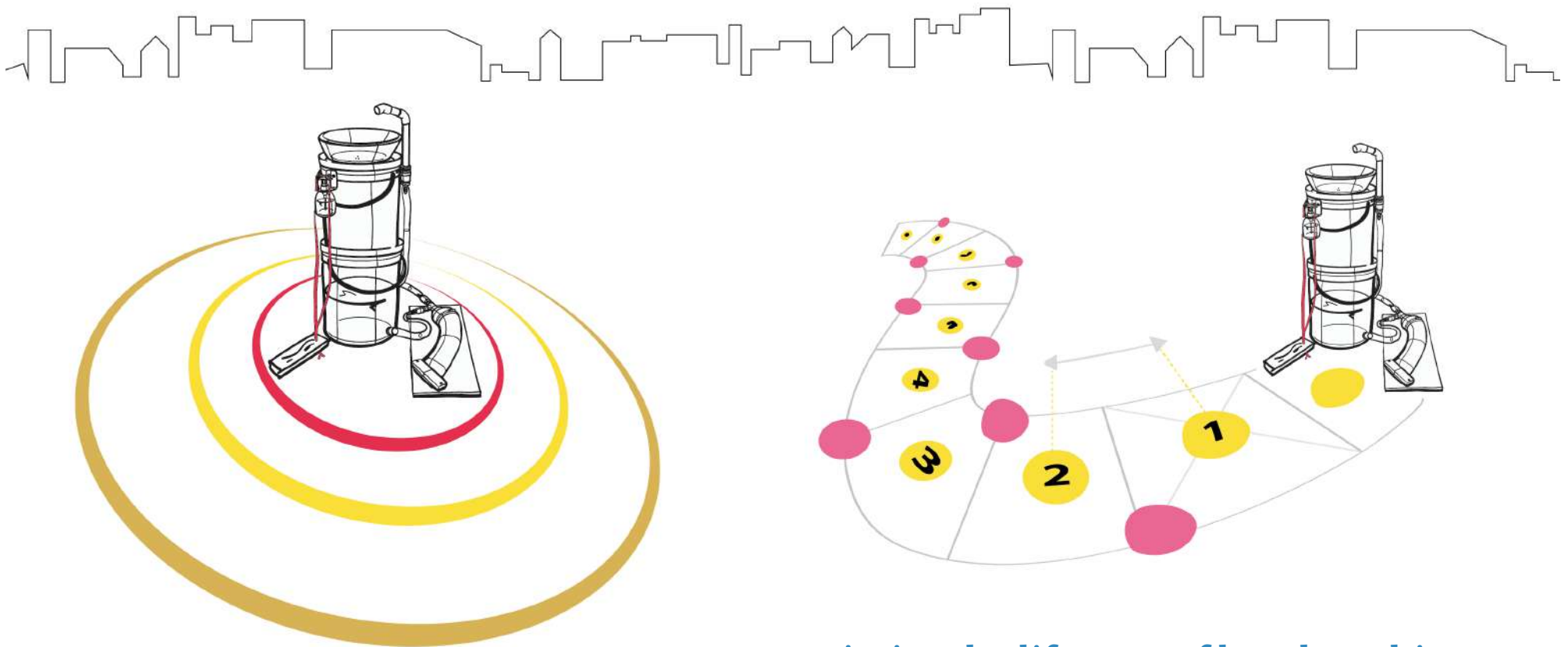


Nudges to remind people to wash their hands after using the toilet, footsteps or arrows along the path from the toilet to the hand washing facility can be painted.

Hand washing facilities should also be placed at convenient and visible locations to encourage people to use them regularly and at the right times.

To help people wash their hands at different times and when they are doing different tasks, it may be helpful to have more than one hand washing facility.

For example, one hand washing facility could be placed close to the toilet, another close to the kitchen and at the building entrance.



To maximise the lifespan of hand washing facilities kept outside, they should ideally be sheltered position out of the sun.

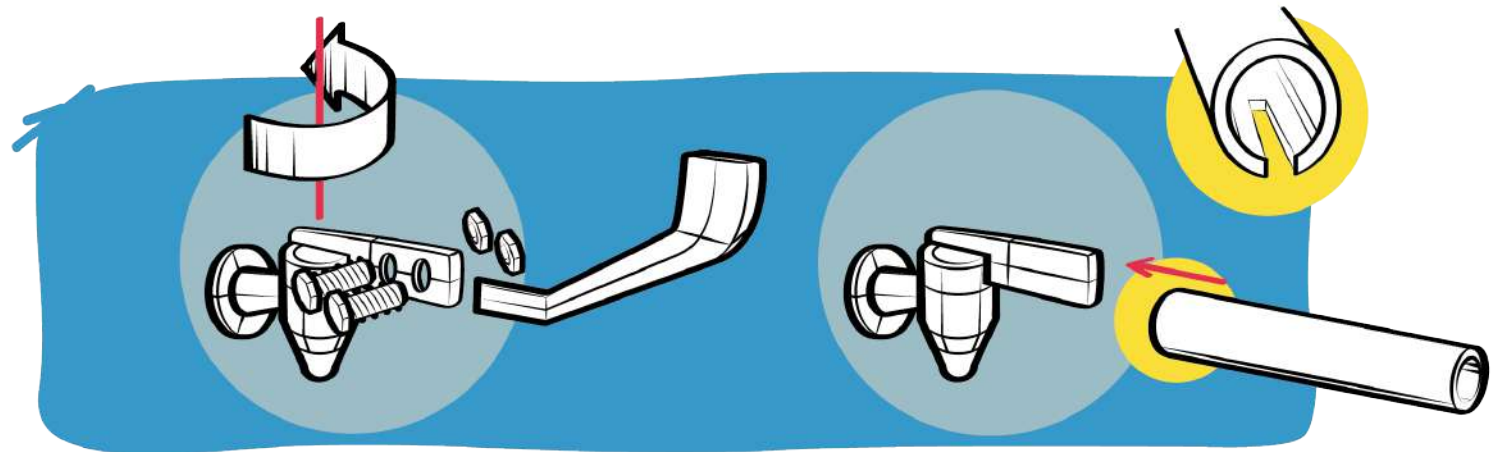
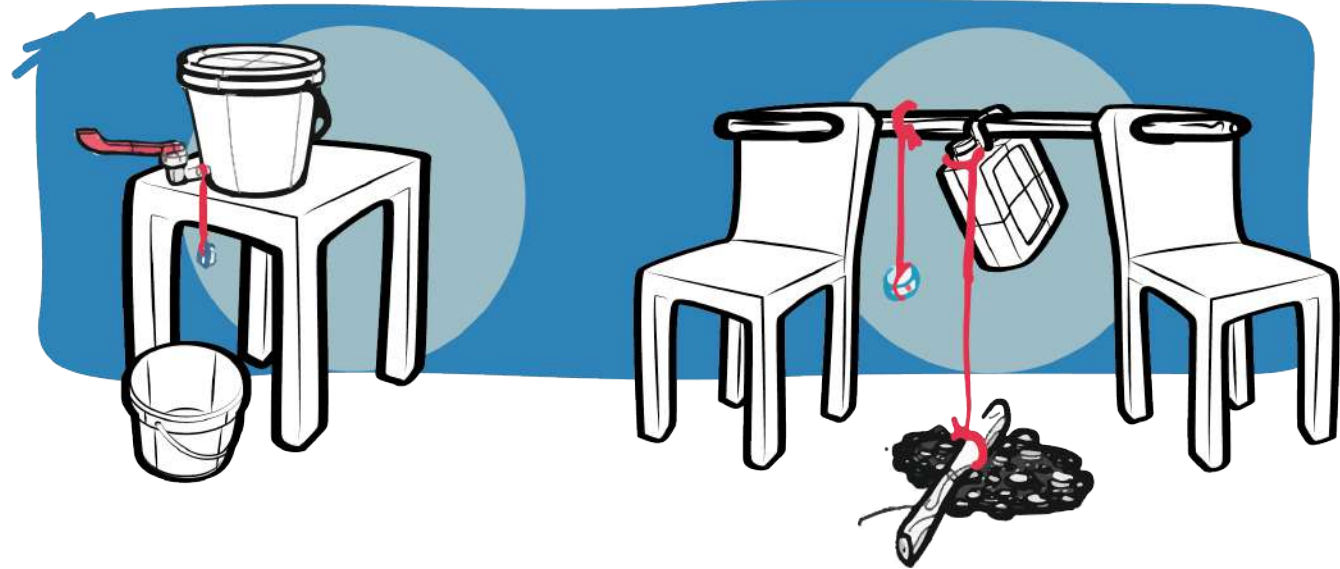
Be Creative

03.

Why make a table when you have one already? If materials, skill and cost is a concern, utilise everyday objects or take initiative and adapt a design.

After all, the designs are open to interpretation.

Use available resources








































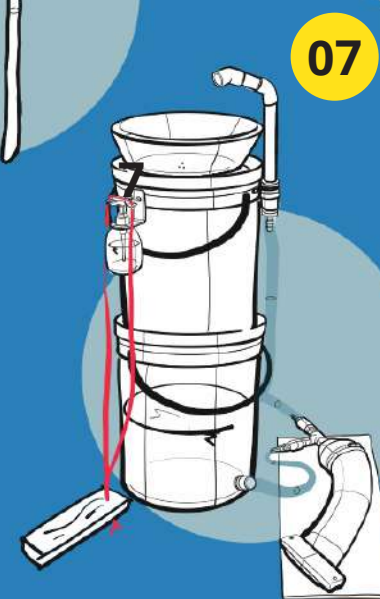
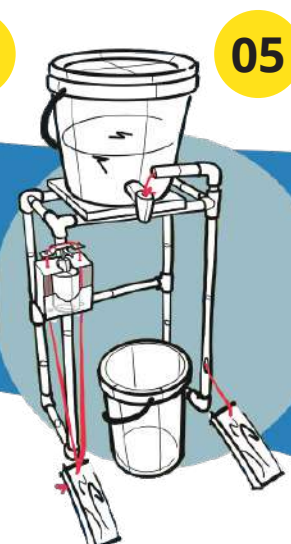
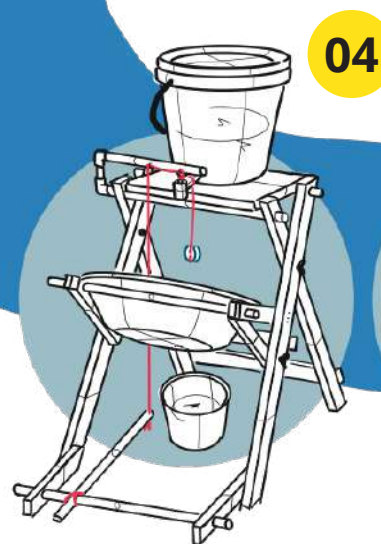
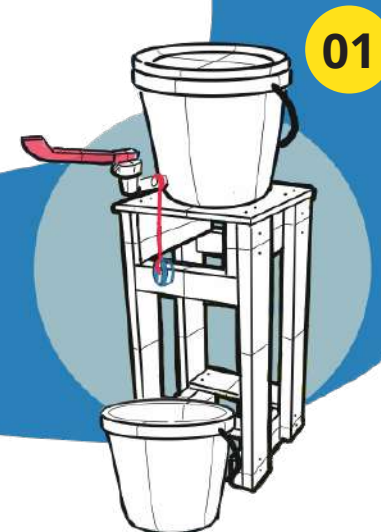
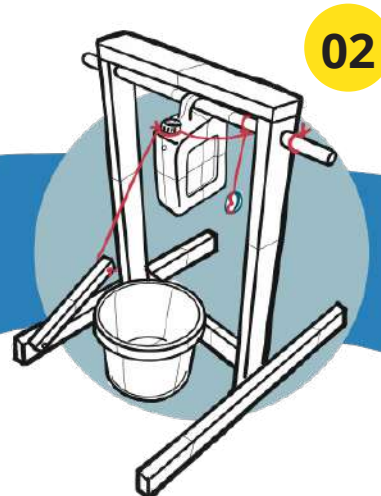
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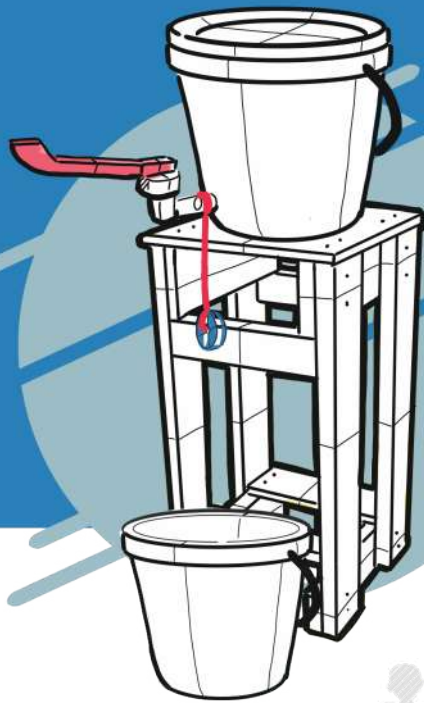
Designs

04.

The following designs are local-level innovations, particularly in the area of 'touch free' hand washing to minimize cross-contamination.

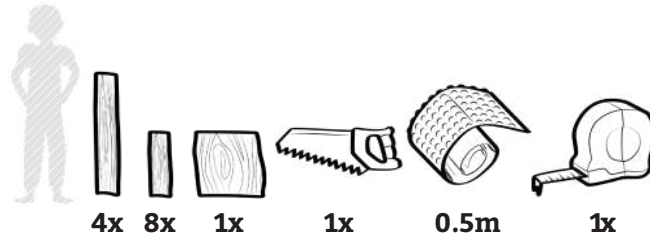
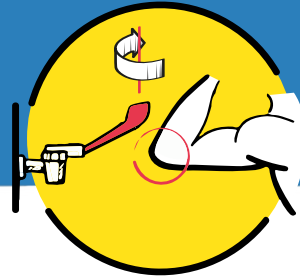
		COSTS	DIFFULTY TO BUILD	INTERACTION TYPE	DURABILITY
01. ELBOW TAP					
02. TIPPY TAP 1					
03. TIPPY TAP 2					
04. FOOT PEDAL 1					
05. FOOT PEDAL 2					
06. FOOT PEDAL 3					
07. BUCKET PUMP					





01. ELBOW TAP

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4x

8x

1x

1x

0.5m

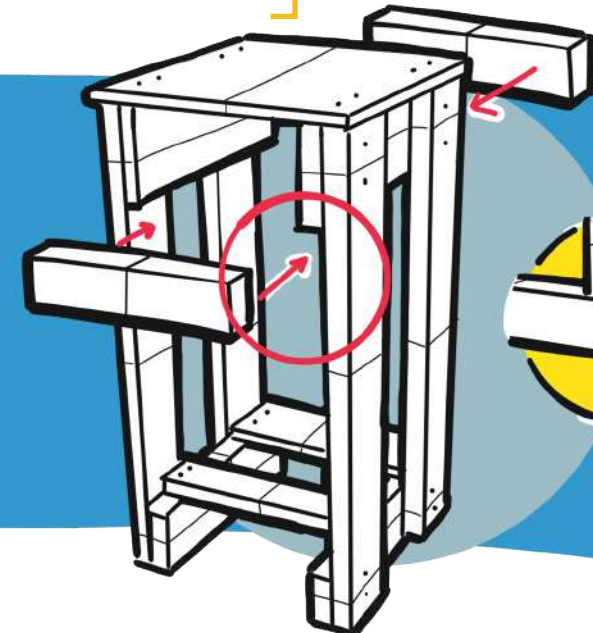
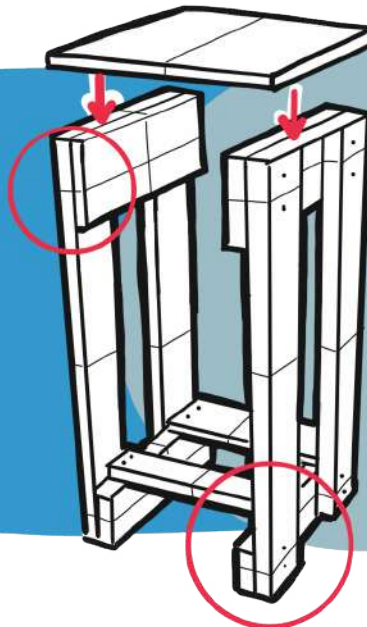
1x

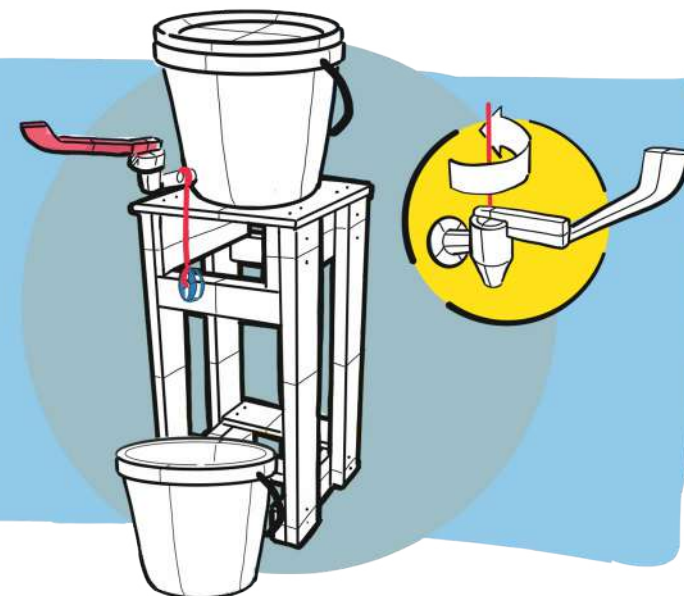
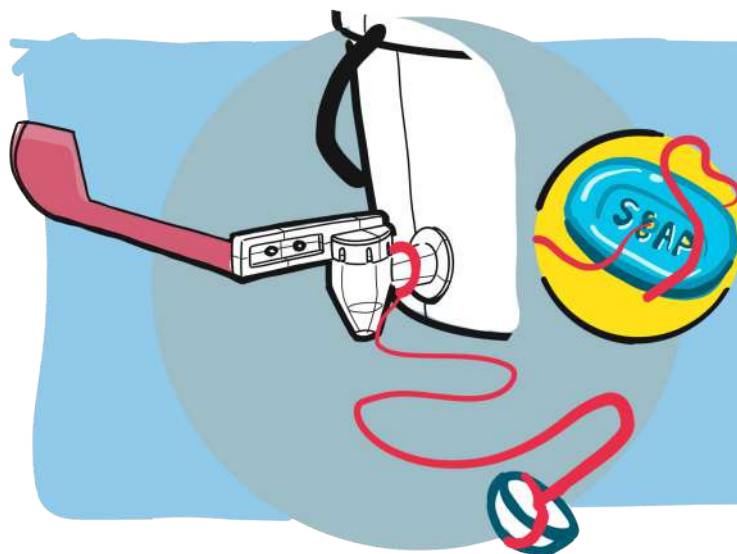
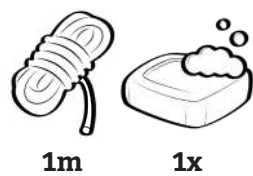
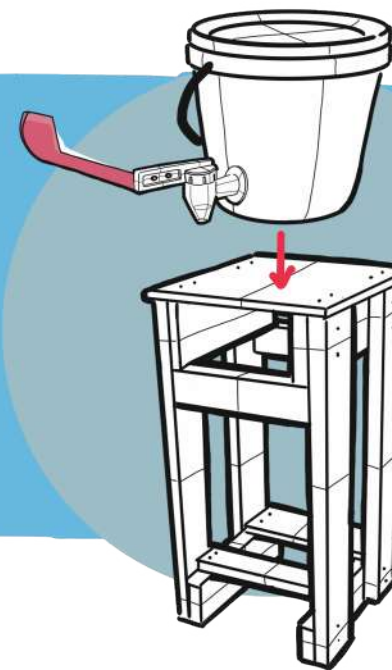
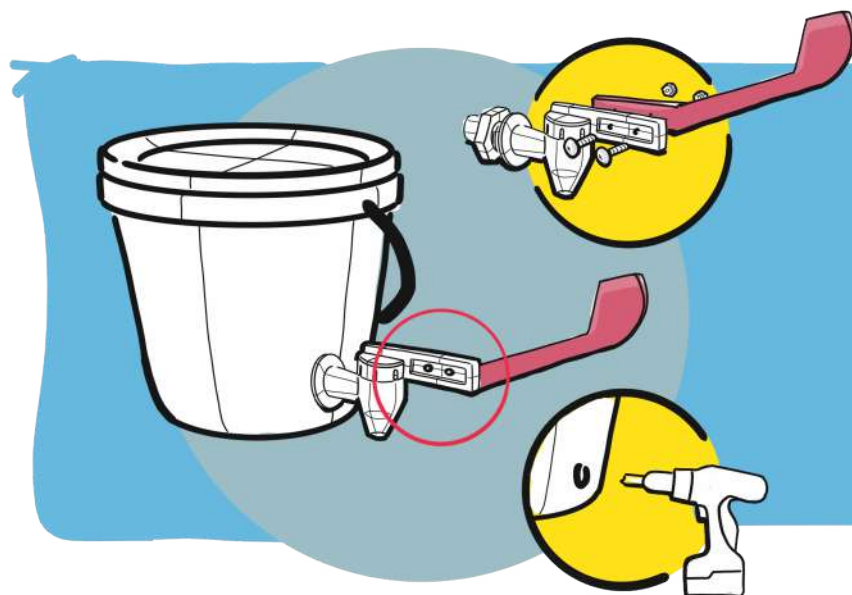
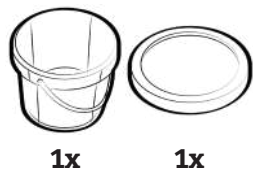
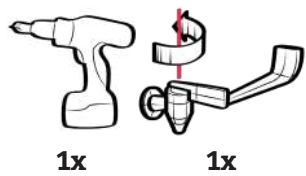
1x

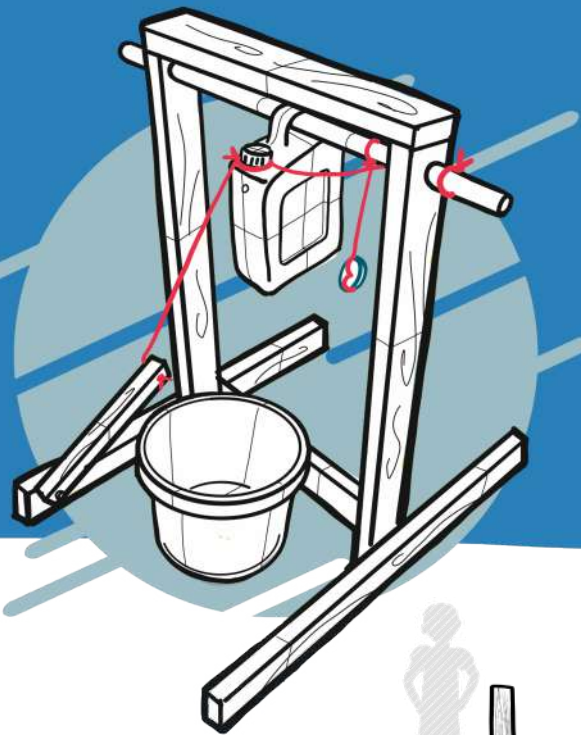
40x

1x

40x

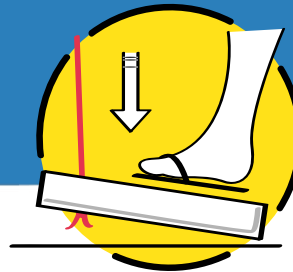






02. TIPPY TAP 1

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4x



2x



1x



0.5m



1x



1x



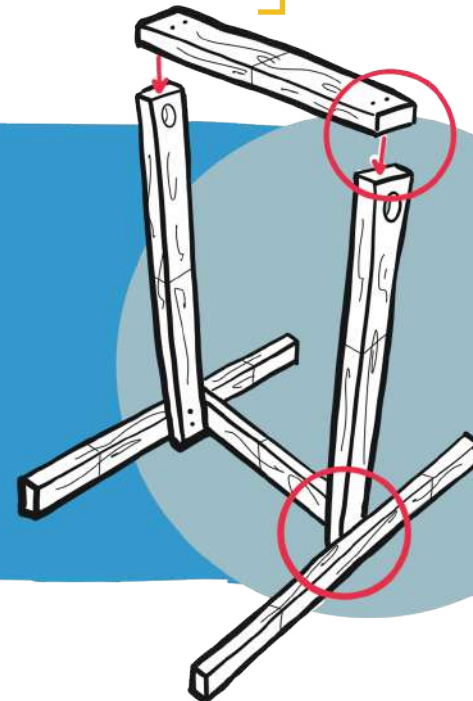
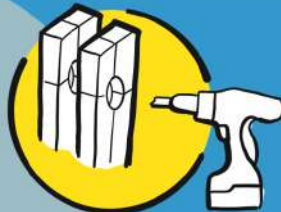
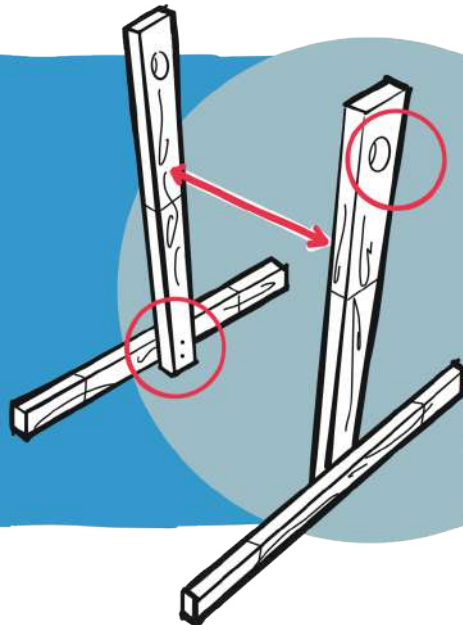
12x

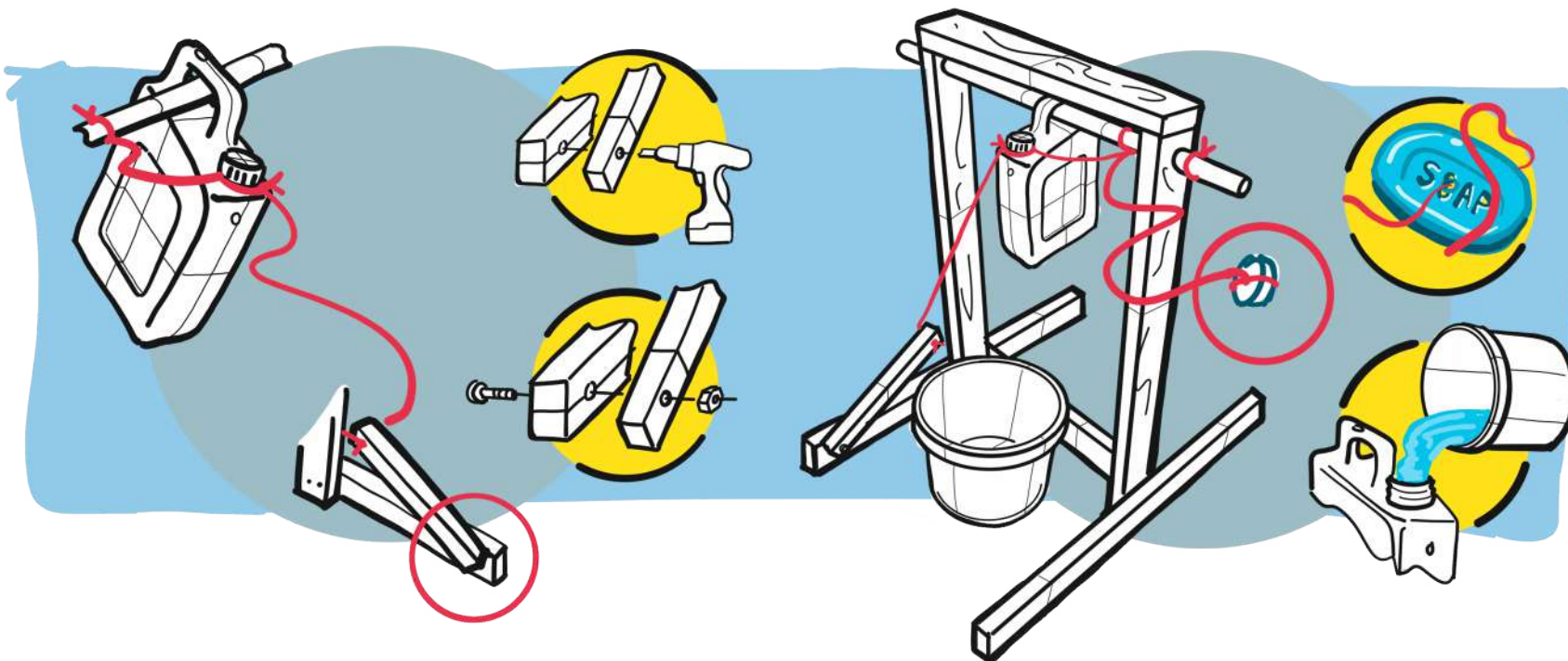
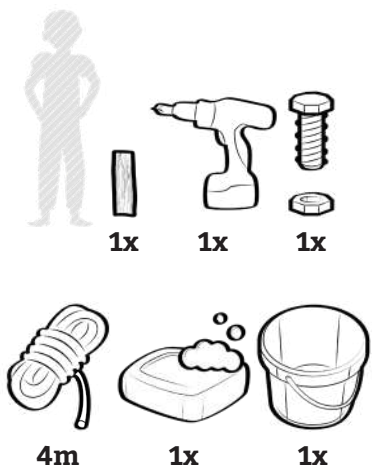
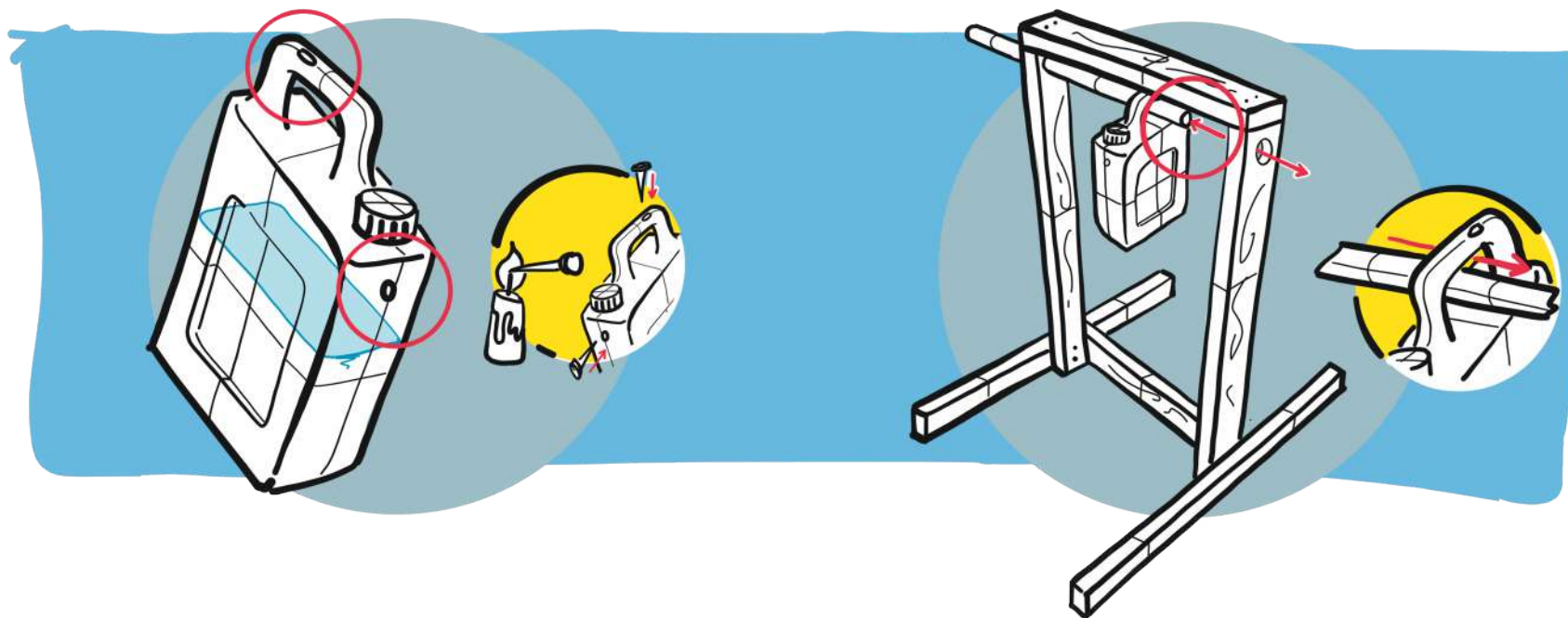
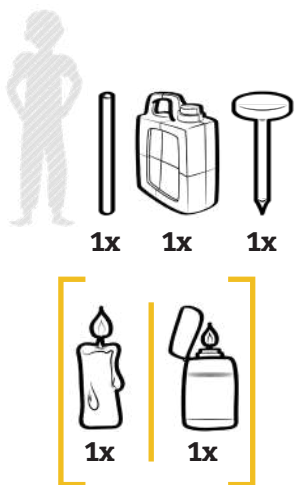


1x



12x

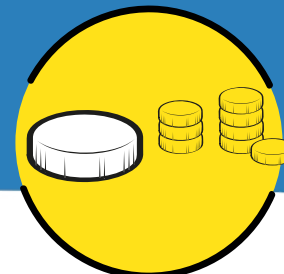
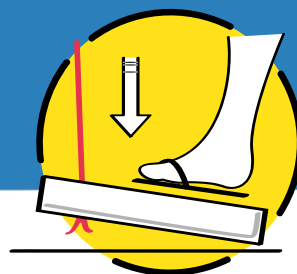






03. TIPPY TAP 2

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2x



1x



1x



1x



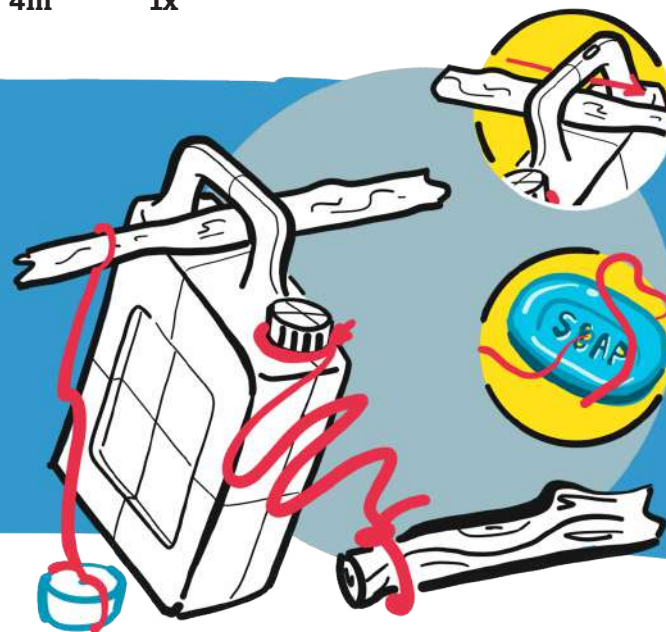
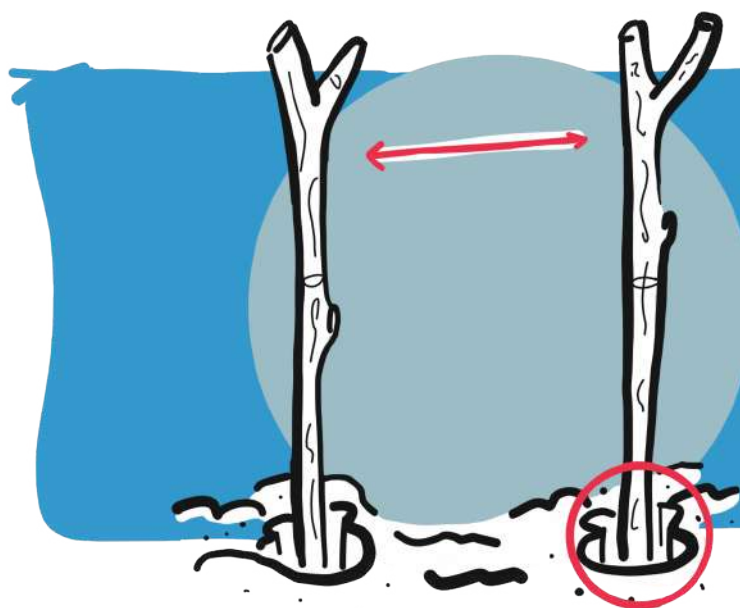
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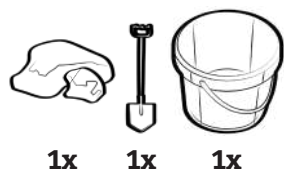
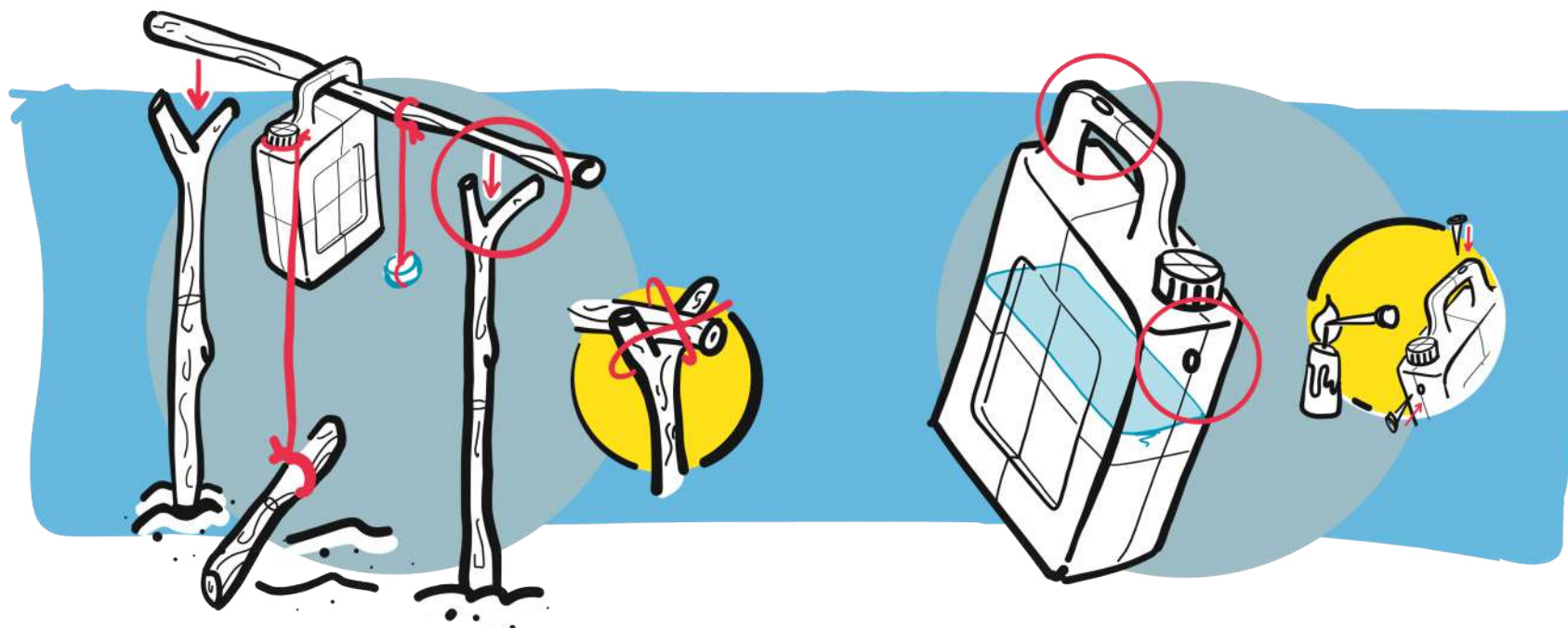
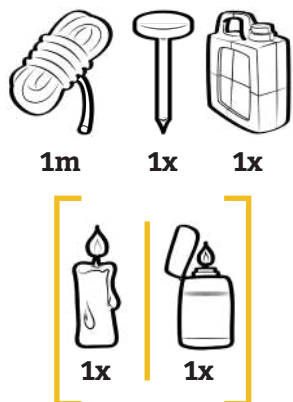


4m



1x

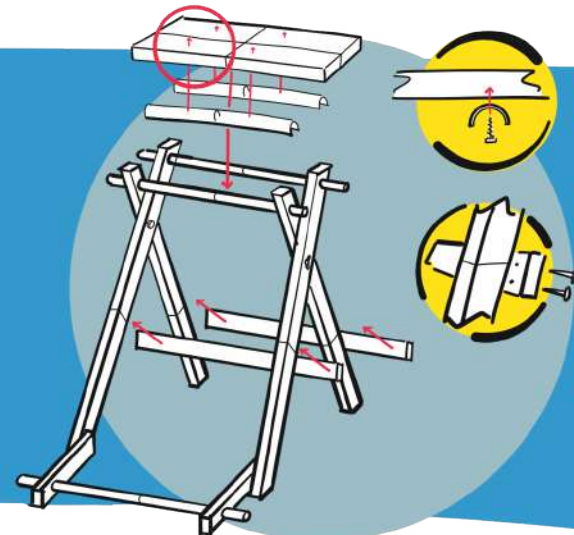
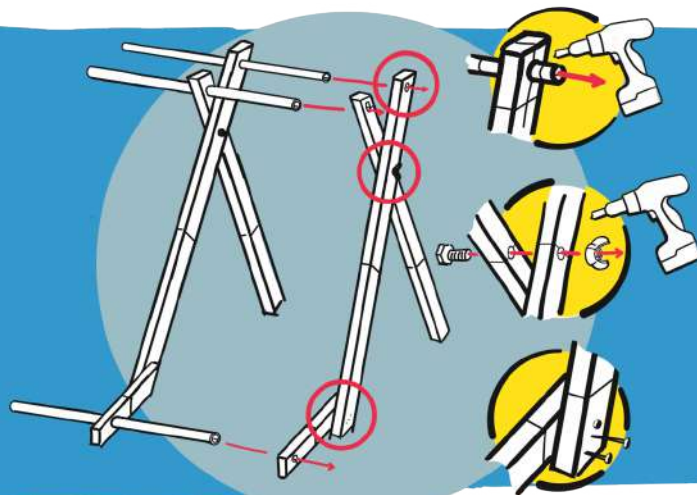
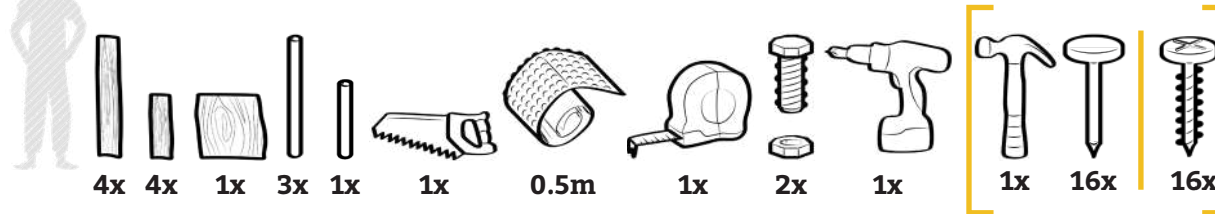
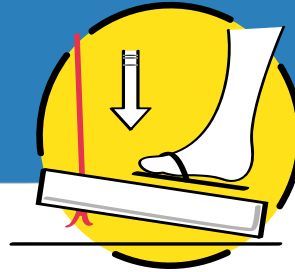


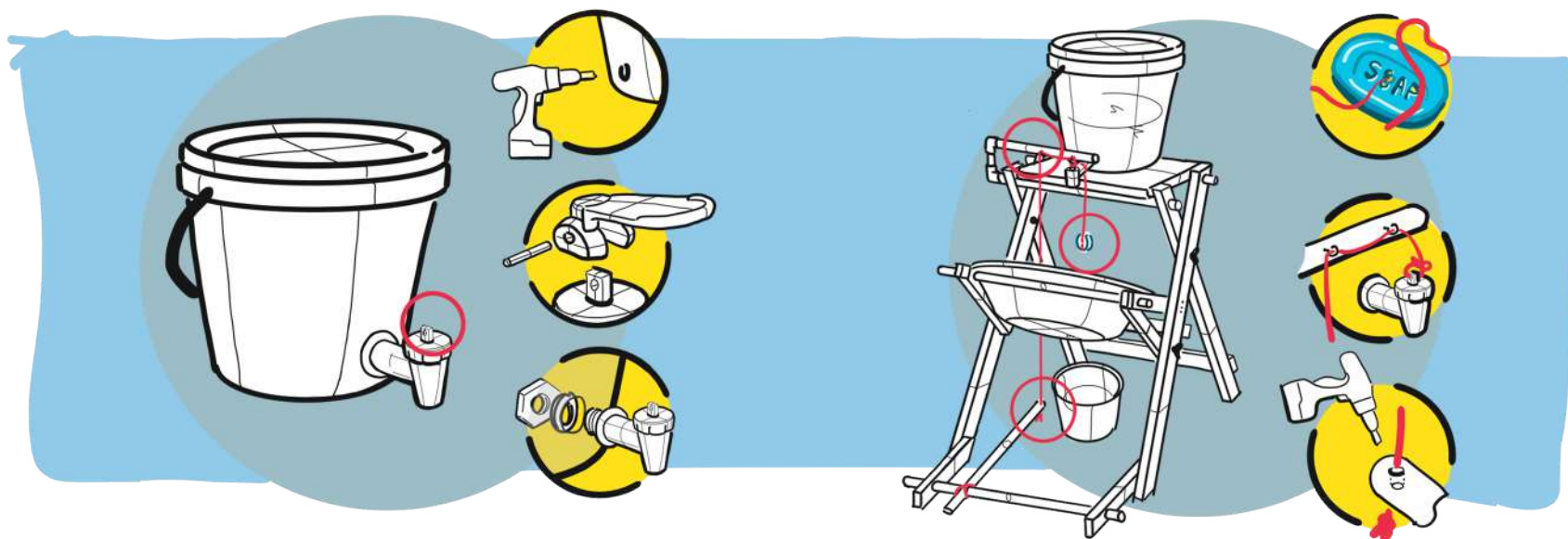
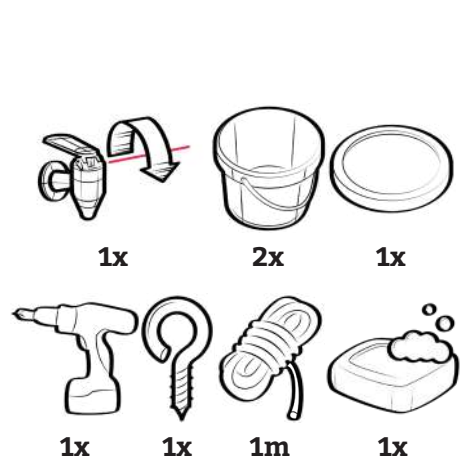
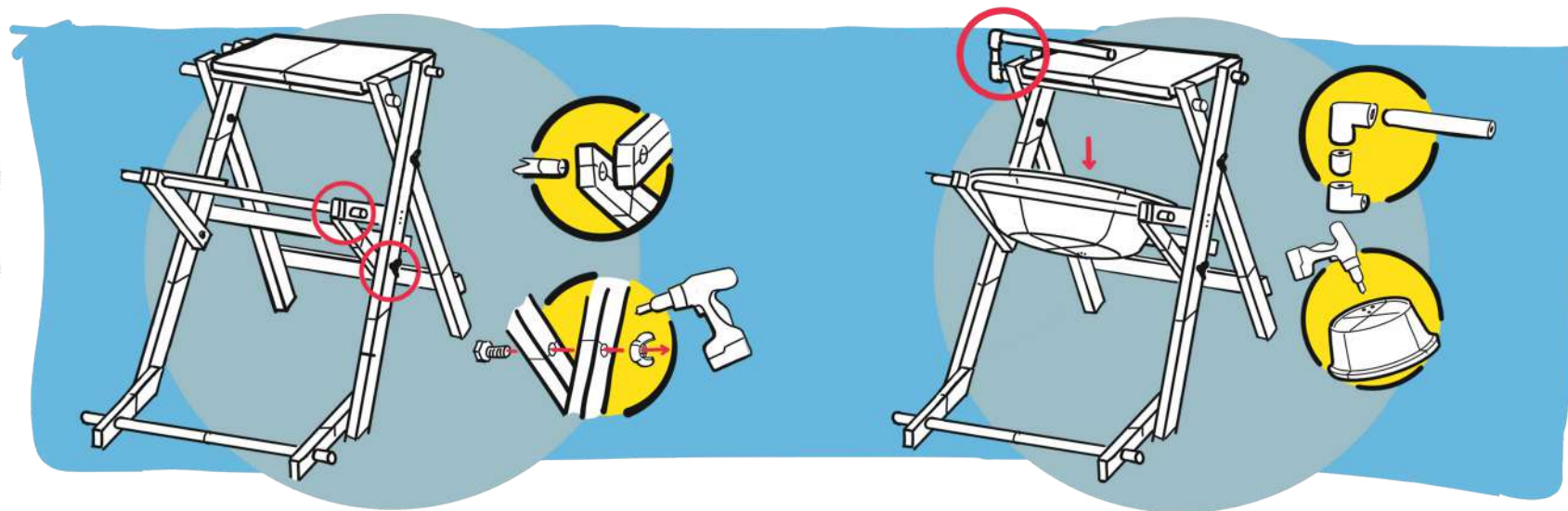
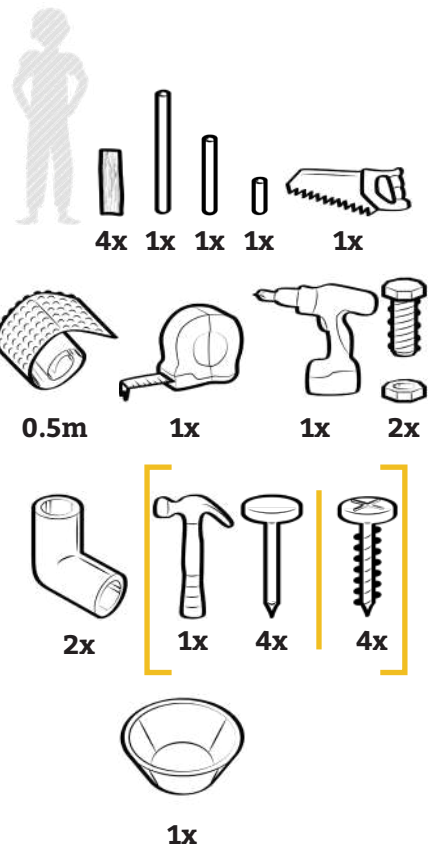




04. FOOT PEDAL 1

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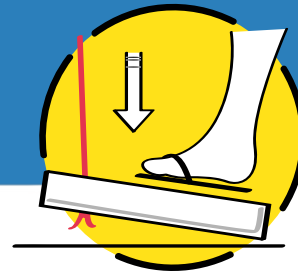






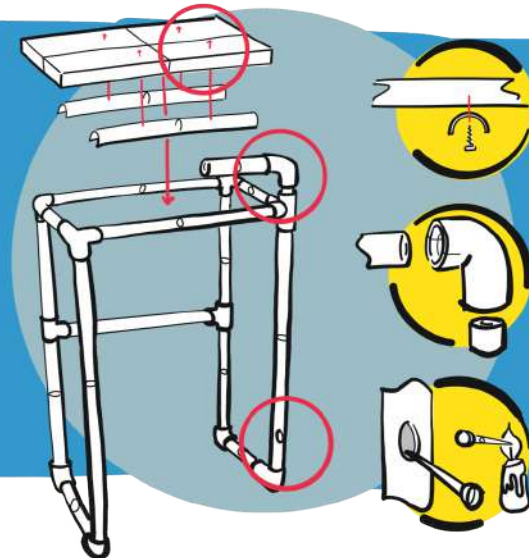
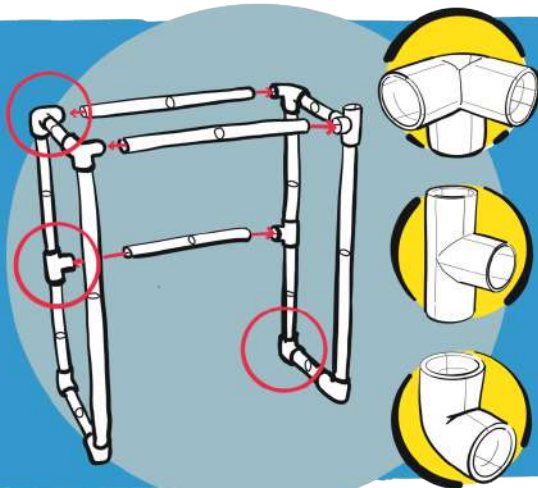
05. FOOT PEDAL 2

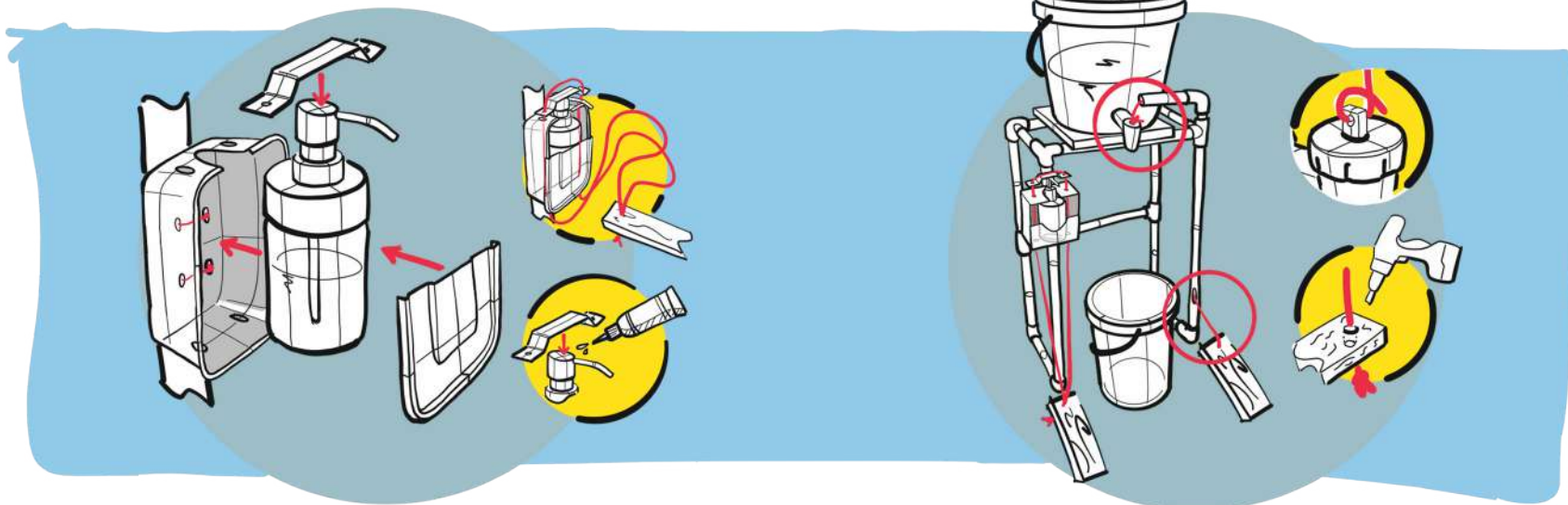
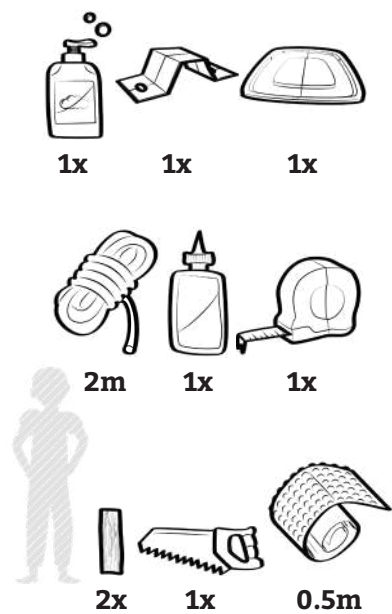
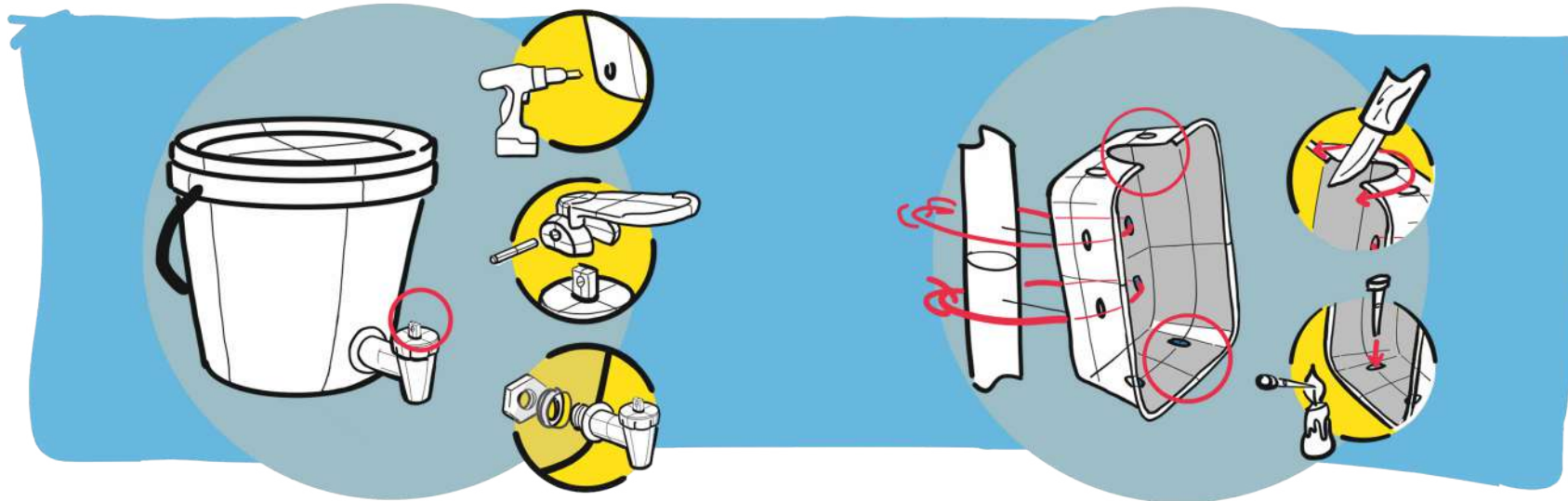
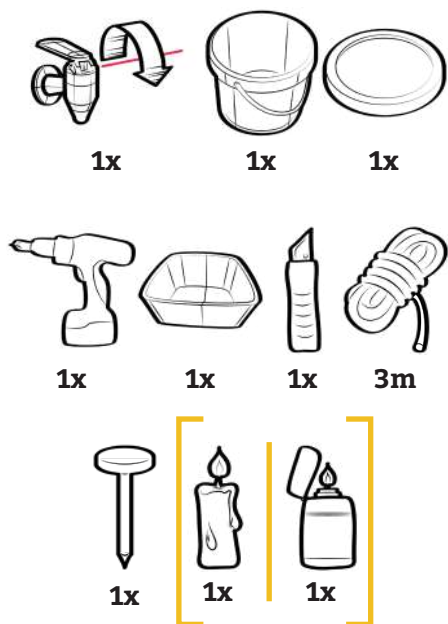
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- 2x 13x 1x 1x 5x 2x 1x 3x 1x 0.5m 1x

- 1x 4x 1x 4x 1x 1x

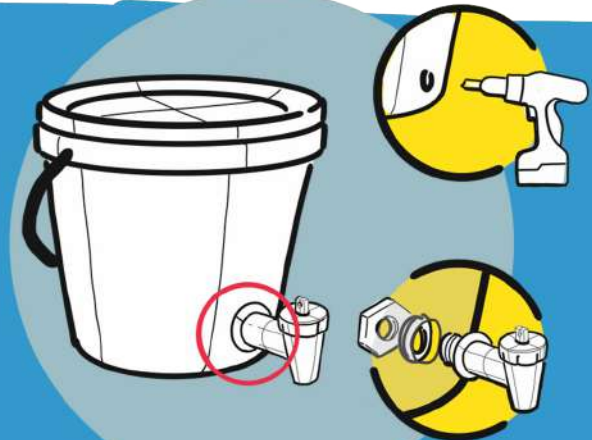
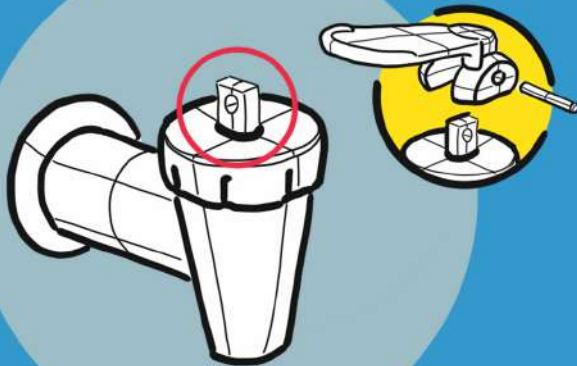
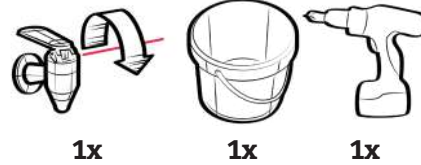
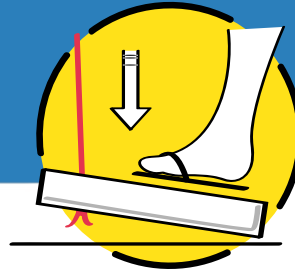


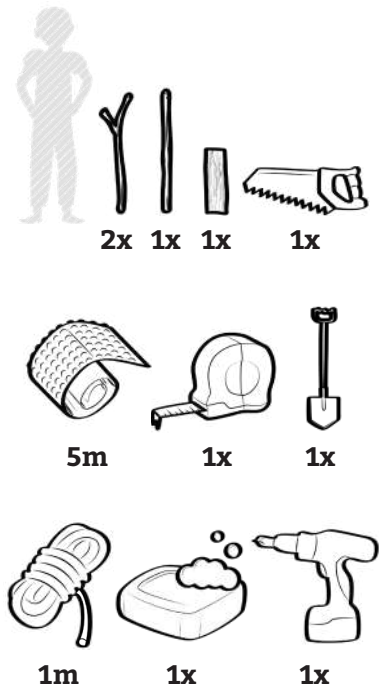
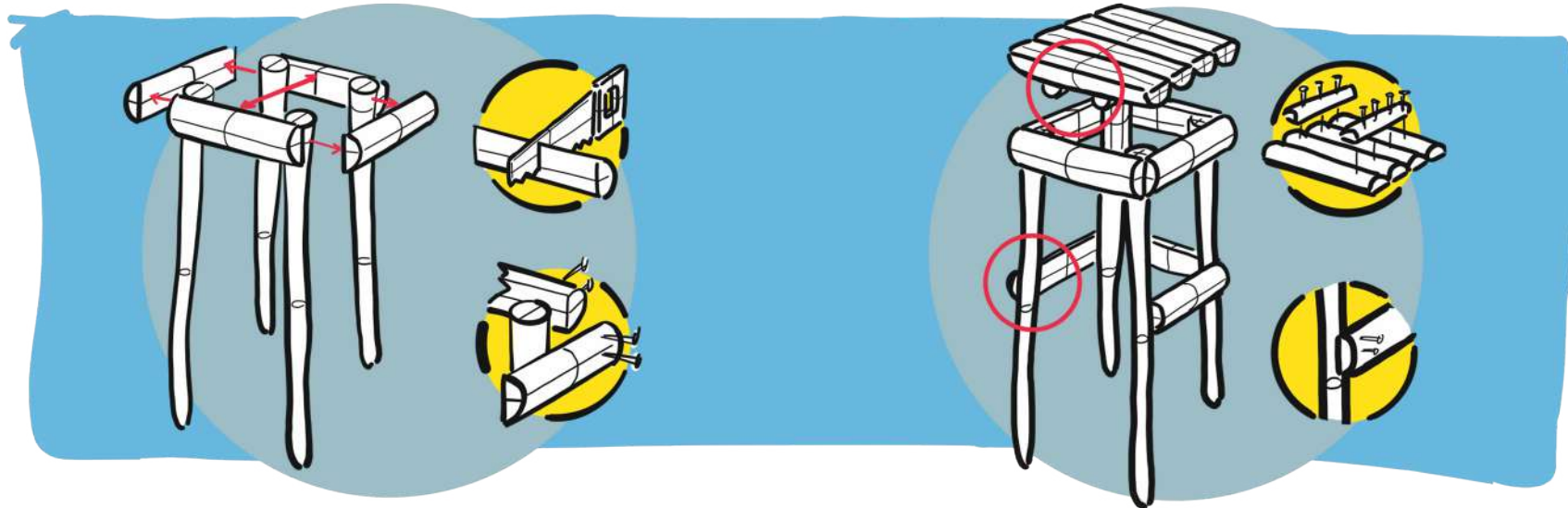
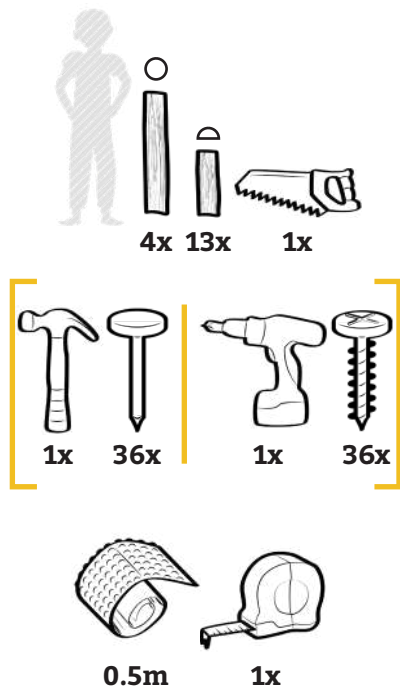


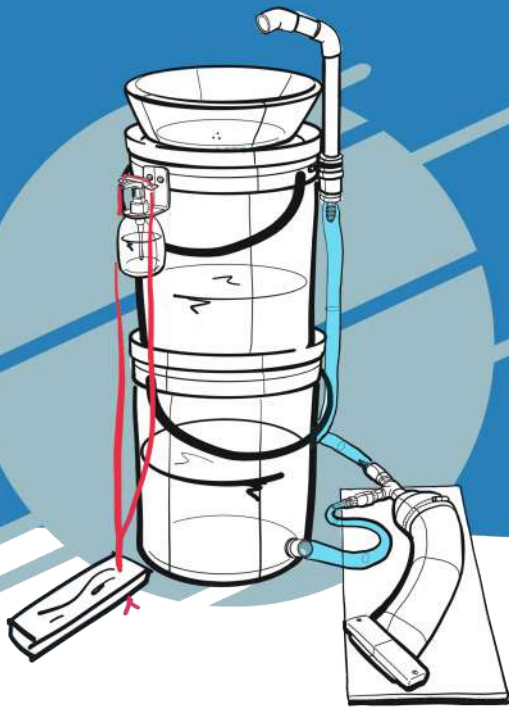


06. FOOT PEDAL 3

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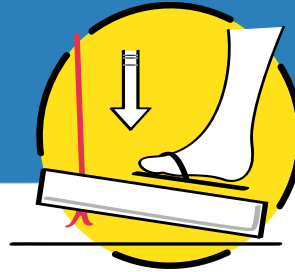






07. BUCKET PUMP

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2x



2x



1x



1x



1x



1x



1x



2x



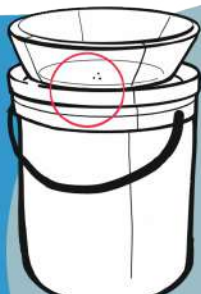
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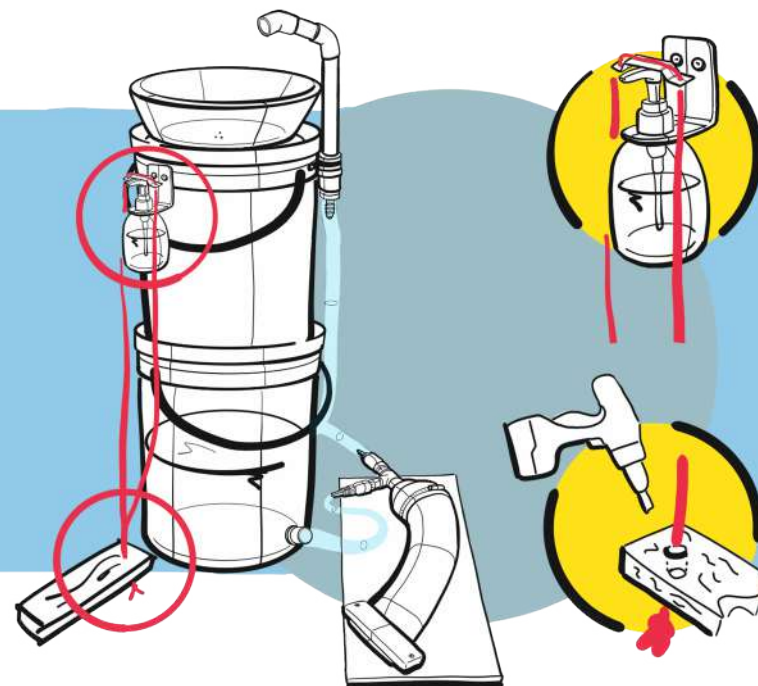
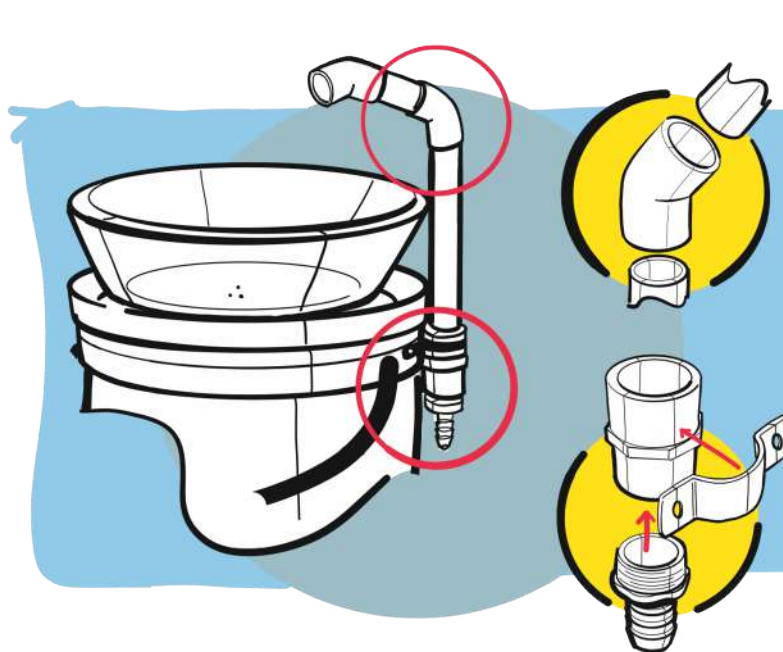
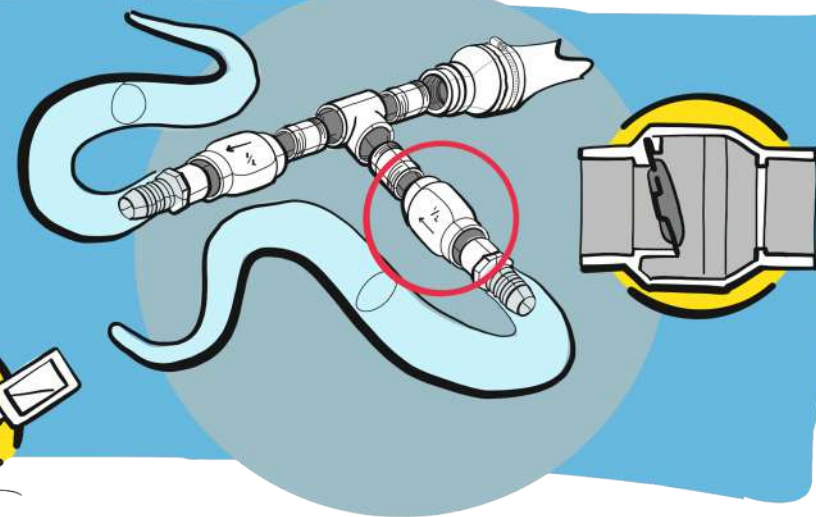
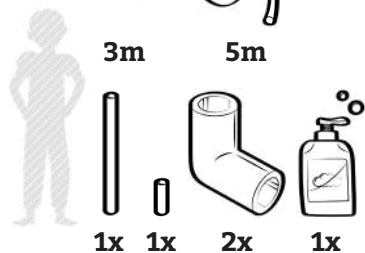
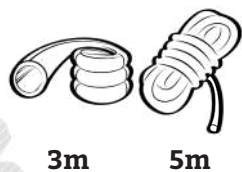
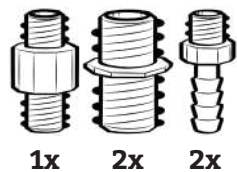
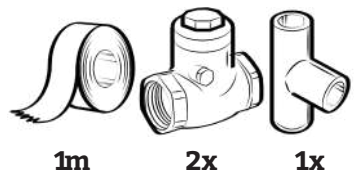
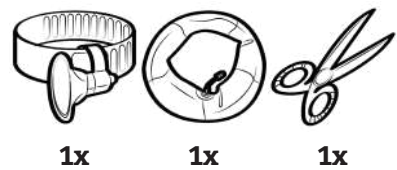
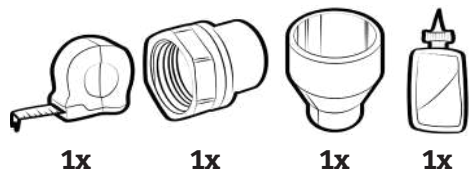
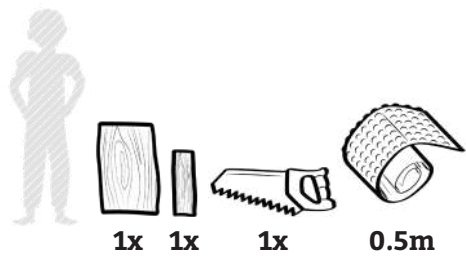


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For further information contact:
J.Schakel@tudelft.nl

Design and layout:
Damienmarc Ford, Celeste Volpi & Indy Vester

Faculty of Civil Engineering and Geosciences
Building 23
Stevinweg 1
2628 CN Delft

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