Activity M.1
How much Water

STEAM WITH WATER

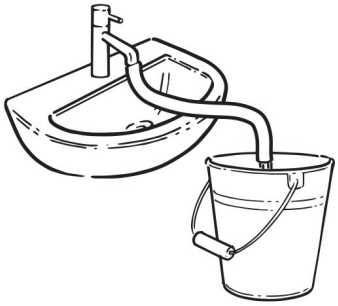
You will need:

- 1 Bucket or measuring jug to collect water
- Stop watch/timer on smart device
- Various water appliances – eg handbasin tap/outdoor tap/ shower/hose

Method:

1. Locate water appliance.
2. Before you start PREDICT how much water will come out of the water appliance in 1 minute.
3. Place measuring bucket under water appliance so it will capture all water.
4. Turn on appliance full (at maximum opening) so water comes out and start stopwatch.
5. Turn off water appliance after 10 seconds.
6. Remove bucket and measure how much water came out.
7. Multiply this number by 6 to calculate how many litres per minute.
8. Record your observations and explain why you think this happened..

Handbasin tap:



PREDICTION	OBSERVATION	CALCULATION	
I think that… ..... litres of water will be produced in 1 minute.	10 seconds of water:	x 6	Litres per minute:

Outdoor tap:

PREDICTION	OBSERVATION	CALCULATION	
I think that… ..... litres of water will be produced in 1 minute.	10 seconds of water:	x 6	Litres per minute:

Cairns REGIONAL COUNCIL

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Outdoor hose				
	PREDICTION	OBSERVATION	CALCULATION	
	I think that… ..... litres of water will be produced in 1 minute.	10 seconds of water:	x 6	Litres per minute:

Shower:				
	PREDICTION		CALCULATION	
	I think that… ..... litres of water will be produced in 1 minute.	10 seconds of water:	x 6	Litres per minute:

Other:				
	PREDICTION	OBSERVATION	CALCULATION	
	I think that… ..... litres of water will be produced in 1 minute.	10 seconds of water:	x 6	Litres per minute: