CUBS NATIONAL PROGRAMMES

2017 TERM 1 - Suggested Programme "Water"

Week	Date	Activity	Description	Special Requirements
1	06 February	Water Safety	Reinforce water safety	Water safety presentationGuest speaker/s
2	13 February	Water Rockets	Blast your fizzy drink bottles into the air with a few simple items!	Rocket making items
3	20 February	Founders Day	Marking Founders Day – explaining to Cubs why February 22 is important to Scouting.	Founders Day Story
4	27 February	Using Water	Activities around using water in our everyday lives.	Everyday activities using water
5	6 March	Science with Water	Simple science experiments using H2O	Prepared science activities
6	13 March	Playing with Water	Games using good old H20	Prepared games using water or ice
7	20 March	Water Conservation	Conserving our most precious resource.	Guest speaker/sConservation Badge work
8	27 March	Fishing expedition	Pack out fishing OR Fishing related games OR anything to do with Fish!	Warm clothingParent HelpFishing gear
9	3 April	Water Challenges	Water based challenges	Prepared water based challenges and related equipment
10	10 April	Water, Water EVERYWHERE!	Group OR Intergroup OR Zone Water fight!	 Towel Change of clothes Supper





Term Theme: "All Fired Up - Water"				
Overview: Tonig	Overview : Tonight Cubs will be learning about water safety			
Week:	Session theme:	Resources	Timing/	
1	Water Safety		Leader:	
Coming in activity:	Water Safety Code Posters	Colouring pens/pencils	10 mins	
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins	
Game/Physical	Active Game – Duty Sixers Choice		10 mins	
Cornerstone: Personal Development	Water Safety Activities and or guest speaker/s OR UL Safety Smart Resources for Water Safety OR You can also choose water safety activities that best suit your group from other resources. Alternately Water Safety	http://www.water safety.org.nz/ http://www.ulsafe tysmart.com/	45 mins	
(Life Skills)	activities can be found on OSM (under Programme/find activities). Search "Water Safety" and and tick the "include activities from all age ranges", then click search.		10000	
Game	Leaders Choice		10min	
Closing	Closing Ceremony		10 min	
Resources	Resources on OSM and Water Safety Website.	1	<u>'</u>	
Notes	Soft drink bottles, duct tape, clothes hangers a week.	and bicycle pumps for	next	



The Water Safety Code

Have Fun, Stay Safe

Spot the dangers

Whenever you're near water always take extra care:

- Never fool around or run besides water you might trip and fall in
- Take care on the riverbank it may be slippery and can crumble
- Keep away from the edge of wharves or jetties the water is often very deep
- Beware weirs and dams the water flows very guickly

Take safety advice

To be safe, choose a swimming pool or beach where there are lifeguards:

- Always follow the advice of a lifeguard find out where and when it is safe to swim
- Always swim "Between the Flags" at the beach
- Never swim where a sign or flag tells you not to

Do not go alone

If you're alone there will be no-one to help you if you get into trouble in the water

- Never go swimming, fishing or boating on your own
- Go with a friend who can help you if you're in trouble in difficult water even if they cannot help you out, they **can** get help
- Always make sure a grown-up known where you are going and when you will be back

Learn how to help

If you see someone in trouble in the water, here's how you can help:

- · Keep calm always think before you act
- Try to get help shout 'help, help" as loud as you can
- Reach out with a stick, a pole, a towel or clothing to pull the person to the water's edge always lie down when you are trying to pull someone in so that you don't get pulled in
- If you can't reach the person and no-one comes when you shout for help, telephone 111 and ask for help

NEVER JUMP INTO THE WATER YOURSELF!

Term Theme: "All Fired Up - Water"			
Overview: Cubs	making water rockets		
Week:	Session theme: Water Rockets	Resources	Timing/ Leader:
Coming in activity:	Prepare resources for Rocket Making		10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Active Game – Duty Sixers choice		10 mins
Cornerstone: New Experiences (Challenges)	And LAUNCHING! Instructions can be found on OSM (under Programme/find activities). Search "Water Rocket" and tick the "include activities from all age ranges", then click search. Alternately you may have already have your own rig and plans that you have used in the past!	 2.25 litre soft drink bottles Coat Hanger Bicycle Tube Cable tie Duct Tape Bicycle pump 	45 mins
Game	Leaders choice		10 mins
Closing	Closing Ceremony		10 mins
Resources	2.25 Litre soft drink bottles, wire coat hangers pump.	s, cable ties, Duct tap	e, bicycle
Notes	Founders Day activities for next week.		

Term Theme: "All Fired Up - Water"			
Overview: Found	lers Day Activities		
Week:	Session theme:	Resources	Timing/
3	Founders Day		Leader:
Coming in activity:			10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Duty Sixers Choice		10 mins
Key Activity	Founders Day activities.	OSM Resources / Group resources	45 mins
Cornerstone:	There is a lot of searchable Founders Day activities on OSM. Search under		
Community	Programme/find activities using the key		
(My Community)	phrase "Founders Day". Make sure you remember to put a tick in "include activities from all age ranges" then click search.		
Cornerstone: New Experiences	Wookend Activity: Attend or organice a		
(Group/Zone/Region Event)	Weekend Activity: Attend or organise a Founders Day Activity or Camp		
Game	Leaders choice		10 mins
Closing	Closing Ceremony		10 mins
Resources	As per chosen activities	1	I
Notes	Cake Mix, Freezer bags, Gas cookers and Billie	es .	

Term Theme: "All Fired Up - Water"			
Overview: Cubs	learn how we use water every day.		
Week:	Session theme:	Resources	Timing/
4	Using Water		Leader:
Coming in activity:	In sixes, brainstorming how many different uses for water can Cubs name.		10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Active Game - Duty Sixer Choice		10 mins
Cornerstone: CAKE: Outdoors (Camp Craft) OR ICE CREAM: Personal Dev (Discovery)	Boiling Cake in a Bag and making Hot Chocolate (suggest this activity is done in sixes) http://www.backpacking.net/recipes/dessert-boil-in-bag-cake.html Or Five Minute Ice Cream (Can be done individually) http://science.howstuffworks.com/innovation/edible-innovations/ice-cream3.htm	 Cake Mix Freezer Bags Gas Cookers Billies or Pots Milo Milk Snaplock Bags Ice Salt Milk or Cream Vanilla Essence Sugar Lunch box type containers for shaking 	45 mins
Game	Leaders Choice		10 mins
Closing	Closing Ceremony		
Resources	Cake Mix, Freezer Bags, Gas cookers, Billies or OR Snaplock Bags, Ice, Salt, Milk or Cream, Vanillatype containers.	a Essence, Sugar, Lu	chbox
Notes	Water based Science Experiments for Cubs nex	kt week	

Term Theme: "All Fired up - Water"			
Overview: Water	r based science fun for Cubs		
Week:	Session theme: Science with Water	Resources	Timing/ Leader:
Coming in activity:	Free play		10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Active Game – Duty Sixer Choice		10 mins
Key Activity	Prepared "Hands On" Science experiments for Cubs: Salt Crystals Fishing for Ice Walking water Oil and water mixing Or You can add your own science experiments to the mix!	Depending on chosen experiments	45 mins
Cornerstone: Personal Dev (Discovery)	Science activities can be counted toward the Cub Science Badge		
Game	Leaders Choice		
Closing	Closing Ceremony		
Resources	Depending on chosen experiments	l	I
Notes	Water play games for next week. Change of cuniform next week.	lothes and towel re	equired. No

Section: Cubs	Type of Activity: Fishing for Ice		
Time Allowed:	Cornerstone:		
10 Minutes	☐ Outdoors	Personal Development	
	☐ Community	☐ New Experiences	
Link to Award Scheme: Discovery			
Resources Needed: Salt, Water, String, Ice Cubes, Jars			
Any Other Comments:			

Directions

- Place the ice cubes in the cup of water. They will float on top.
- Try to "fish" for an ice cube with the string. It won't "catch" anything.
- Place the string in the water and across the top of the ice cubes.
- Now sprinkle a little bit of salt across the ice cubes. Wait for a minute or so.
- Pull the string out and see what you caught!

Section: Cubs	Type of Activity: Mixing Oil and Water		
Time Allowed:	Cornerstone:		
10 Minutes	☐ Outdoors	□ Personal Development	
	☐ Community	☐ New Experiences	
Link to Award Scheme: Discovery			
Resources Needed: Small soft drink bottle, Water, Food colouring, 2 tablespoons of cooking oil, and Dish washing liquid or detergent			
Any Other Comments:			

Directions

- 1. Add a few drops of food colouring to the water.
- 2. Pour about 2 tablespoons of the coloured water along with the 2 tablespoons of cooking oil into the small soft drink bottle.
- 3. Screw the lid on tight and shake the bottle as hard as you can.
- 4. Put the bottle back down and have a look, it may have seemed as though the liquids were mixing together but the oil will float back to the top.

While water often mixes with other liquids to form solutions, oil and water does not. Water molecules are strongly attracted to each other, this is the same for oil, because they are more attracted to their own molecules they just don't mix together. They separate and the oil floats above the water because it has a lower density.

If you really think oil and water belong together then try adding some dish washing liquid or detergent. Detergent is attracted to both water and oil helping them all join together and form something called an emulsion. This is extra handy when washing those greasy dishes, the detergent takes the oil and grime off the plates and into the water.

Section: Cubs	Type of Activity: Salt Crystals		
Time Allowed:	Cornerstone:		
15 Minutes	☐ Outdoors	\boxtimes	Personal Development
	☐ Community		New Experiences
Link to Award Scheme: Discovery			
Resources Needed: Salt, Water, Food Colouring, String, Jars, Sticks.			
Any Other Comments:			

Step 1

Heat a pan of water. You only need a little water, about $\frac{1}{2}$ cup (120mL). Heat the water until it just begins to bubble.

- Kids should ask an adult for help handling the hot water.
- Distilled water gives the best results, but tap water should work fine.

Step 2

Choose your salt. There are many kinds of salts. Each one will grow into a different shape of crystal. Try these and see what happens:

- Table salt take a few days to grow. "Iodized" salt won't work as well, but will still form crystals.
- Epsom salt grows into smaller, needle-like crystals, but grows more quickly than table salt. Buy it at a pharmacy.

Step 3

Stir in as much salt as you can. Take the pan off the heat. Pour in about $\frac{1}{4}-\frac{1}{2}$ cup (60–120mL) of your salt and stir until the water is clear. If you don't see any salt grains in the water, stir in another spoonful. Keep stirring in more salt until you see salt grains that won't dissolve when you stir.

• You've just made a supersaturated solution. This means the solution (the liquid) contains more salt than water can usually hold.

Step 4

Pour the water into a clean jar. Carefully pour the hot water into a jar or another clear, heat-safe container. This should be as clean as possible, so nothing interferes with the crystal growth.

• Pour slowly and stop before the salt grains fall into the jar. If there are undissolved salt grains in the jar, the crystals might grow around those grains instead of your string.

CUBS NATIONAL PROGRAMMES

Step 5

Add food coloring (optional). A couple drops of food coloring will change the color of your crystals. It might make the crystals smaller or more lumpy as well, but usually not by much.

Step 6

Tie a string around a stick. The stick should be long enough to lie across the top of the jar.

• The tiny grooves and rough edges of the string provide a place for salt to latch on and grow. A fishing line won't work, since it's too smooth.

Step 7

Cut the string the correct size to dangle in the water. Only the part of the string underneath the water will grow crystals. Cut it short enough to avoid touching the base of the jar, or the crystals might end up lumpy and small.

Step 8

Balance the stick on top of the glass jar. The string should hang inside the jar, extending into the water. If the stick won't stay still, tape it against the jar.

• Try not to have the string touch the side of the jar. This can make smaller, lumpier crystals grow against the side.

Step 9

Move the jar to a safe place. Keep the container where animals and young children can't get to it. Here are some tips for choosing a location:

- To grow a lumpy mass of crystals quickly, keep the jar in the sun and/or keep a fan blowing near it on the lowest setting. These crystals may stop growing at a fairly small size.
- If you want a single, large crystal instead of a clump of crystals, keep the jar in a cool, shaded place.[5] Keep it on a Styrofoam pad or similar material to absorb vibrations.[6] (There's still a good chance you'll end up with a clump, but there should be larger individual crystals within it.)
- Epsom salt (and a few less common salts) will grow faster in the refrigerator instead of the sun.

Step 10

Wait for crystals to form. Check back regularly to see if salt crystals have grown on the string. Epsom salt can start growing within a few hours, but might take a couple days. Table salt usually takes a day or two to get started, and sometimes up to a week. Once you see little crystals on the string, those will usually keep growing bigger and bigger over the next couple weeks.

• When the water cools, it has way more salt than cold water can normally hold. This makes it very unstable, so the dissolved salt will leave the water and grab onto the string if it gets a tiny push. As the water evaporates, the salt stays behind, making it even more unstable and encouraging the crystal to grow.

Section: Cubs	Type of Activity: Walking Water		
Time Allowed:	Cornerstone:		
15 Minutes + Waiting time	☐ Outdoors	□ Personal Development	
	Community	☐ New Experiences	
Link to Award Scheme: Disco	Link to Award Scheme: Discovery		
Resources Needed: Water, Blue Food Colouring, Yellow Food Colouring, Glasses or Jars, Paper Towels			
Any Other Comments:			

Place the three glasses side by side. Starting on the left hand side, fill that glass with water. Squirt a generous amount of blue food colouring into the water.

Leave the next glass empty.

Now fill the glass on the far right hand side with water and add a generous amount of yellow food colouring.

Fold a paper towel in half lengthways and again so that it will fit into the neck of your glass easily. Now place one end of the paper towel into the blue water and bend the paper towel over the edge of the glass so that the other end sits in the empty glass in the middle.

Do the same on the other side: place one end of a paper towel into the yellow water, and bend it over so that the other end rests in the empty glass in the middle. Watch and wait.

In about 30 minutes or so, the water will start 'walking' up the paper towels and over into the middle glass.

After about two hours you will have a mix of the two colours in the centre glass.

Term Theme: "All Fired Up - Water"			
Overview : The a	im of this week TO GET WET!		
Week:	Session theme:	Resources	Timing/
6	Playing with water		Leader:
Coming in activity:	Ice Hockey	Ice "Puck"Rolled Newspaper Sticks	10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Sponge and Bucket Relay Inter six race to move water from point A to point B using only a sponge	1 Sponge per Six 2 Buckets per Six	10 mins
Key Activity Cornerstone:	Wet and Wild Kick Ball There are many variations of this game and the rules can easily be found online. Mix it		45 mins
Personal Dev (Physical)	up to best suit you group. Cubs and Kea's Love it!		
Game	Duck, Duck, SPLOSH! (Duck, Duck, Goose With water bombs!)	Water Bombs	10 mins
Closing	Closing Ceremony		
Resources		1	1
Notes	Guest speaker for next week (DOC, Fish & Garesources on water conservation	me, Regional Council	ETC), or

Term Theme: "All Fired Up - Water"			
Overview : Water	Conservation week		
Week:	Session theme:	Resources	Timing/
7	Water Conservation		Leader:
Coming in activity:	Water Wisdom Activity Sheet	Water Wisdom hand out, colouring pens/pencils	10 mins
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins
Game/Physical	Active Game – Duty Sixers Choice		10 mins
Key Activity	Guest Speaker/s relating to water conservation. Activities and resources about water conservation: http://www.mfe.govt.nz/fresh-water/water-page-kids http://www.doc.govt.nz/get-involved/conservation-education/		45 mins
Cornerstone: Outdoors (Environment)	Take home Water Conservation Challenge hand out. Once this is completed it can be used toward the Conservation Badge (Activity 4: Improve your environment)	7 Day Water Conservation Challenge Sheet	
Game	Leaders Choice		10 mins
Closing	Closing Ceremony		
Resources		1	
Notes	Fishing activity next week. RAMS / AIF's, Pare Fish and Game and/or Ministry for Primary Inc		

Water Conservation 7 Day Challenge

Step 1

Name

De man an a familia manakan da ann af tha fallanin a?			
Do yo	ou or a family member do any of the following?	<u>Me</u>	Family Member
	Let water run while brushing teeth.		
	Let water run when washing hands, but hands aren't under water.		
	Take showers longer than 5 minutes.		
	Rinse dishes before putting in dishwasher.		
	Use toilet as a rubbish bin and flush rubbish.		
	Run dishwasher when it is not full.		
	Use washing machine when not full without putting on <i>small</i> or <i>medium</i> .		
	Leave irrigation settings the same all year for outdoor plants and lawn.		
	Use hose to clean debris off sidewalks and driveway.		
	Let taps drip.		
	Let toilets run or silently leak.		
	Let outdoor irrigation water where there are no plants or grass.		
	Let water run in the shower for a long time while waiting for hot water.		
	Wash vegetables or fruit using excessive amount of water.		
	Other things you have observed:		

Water Conservation 7 Day Challenge

Step 2

Name ___

	water run when b		Day 4	Day 5	Day 6	Day 7
2. Don't let	water run whe	n washing hand	ds and hands ar	en't under wate	r.	
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
3. Take sho	orter showers –	5 minutes or le	ess.			
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
4. Don't us	e the toilet to th	irow away trasł	1.			
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
5. Scrape fo	ood off plates be	efore loading in	dishwasher rat	ther than rinsing	g off.	
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
6. Run the	dishwasher onl	y when full.				
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
7. Run the	clothes washer	only when full,	or if not full, se	lect small or me	dium setting.	
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
8. Collect v	vater wasted in	shower while v	vater is warmin	g and use to wa	ter plants.	
Day 1 🗌 9. When w			Day 4 se water in a bo		Day 6 for outdoor pla	Day 7 🔲
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7

Water Conservation Guide



wateruseitwisely.com

MATCH THE WATER-SAVING TIP TO THE AMOUNT OF WATER SAVED





Use a hose nozzle and turn off the water while you wash your car or bike and save this much water.



You'll save this much water if you time your shower to keep it under 5 minutes.



3

If you turn off the shower while you shampoo, how many gallons will you save?

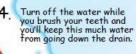


UP TO 80 GALLONS EVERY TIME











Use a broom instead of a hose to wash off driveways and sidewalks and save this much water.

FOR HINTS (AND EVEN MORE WAYS TO SAVE WATER) VISIT WWW.WATERUSEITWISELY.COM

Answer L (D), 2. (E), 3. (A), 4. (C), 6. (8)

SRELKNIRPSTSUJDA TUQAZBYRFCNKIOLM NISHORTSHOWERSNP ABXETGCEALZLIJMK LQZUMBAOVLPZYIVS PXZJIUMYUEQZESKK EUBVMXLJMCCOVXEA VZOKOAUCRTWNPLME IUNROEXWHRLEPJCL TIMERSWEPACSIREX AABCBZTEPICOIRE NVEPIUHVJNLHOXEF XMWATERDEEPLYRIS

FIND ALL THESE EASY WAYS TO SAVE WATER

HOSE NOZZLE

SHORT SHOWERS

BROOM

FIX LEAKS

NATIVE PLANTS

COLLECT RAIN

TIMER

WATER DEEPLY

ADJUST SPRINKLERS

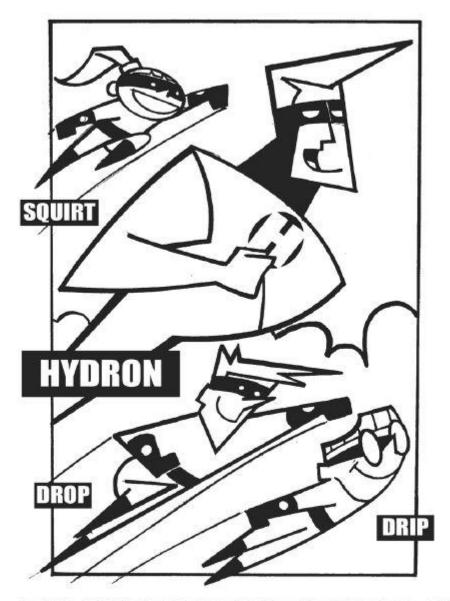
USE MULCH

XERISCAPE

There are a number of ways to save water, and they all start with you.



KIDS ACTIVITY PAGES





Term Theme: "All Fired Up - Water"				
Overview : Take a Cub Fishing!				
Week:	Session theme: Fishing	Resources	Timing/ Leader:	
Coming in activity:				
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 			
Game/Physical				
Key Activity	Planned Fishing activities. Can be fresh water, salt water, tank water or no water! If it is not practical to take your cubs to a suitable fishing spot, feel free to make up fishing related games, or visit a fish factory or even a fish and chip shop!	Depending on activity		
Cornerstone: Outdoors (Outdoor Skills) or (Expedition)				
Game				
Closing	Closing Ceremony			
Resources		1	1	
Notes	Water challenges and related resources for nex	xt week.		

Term Theme: "All Fired Up - Water"				
Overview : Challenges using water				
Week:	Session theme:	Resources	Timing/	
9	Water Challenge night		Leader:	
Coming in activity:			10 mins	
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins	
Game/Physical	Active Game – Duty Sixer to choose		10 mins	
Key Activity	Groups to find water challenges for the cubs to complete. EG: Ice cube melting race. Rain Gutter Regatta. Making water channels etc		45 mins	
Cornerstone: New Experiences (Challenges)	There are a good number of water challenges available on OSM. Go to Programme/find activities and search "water challenge". Remember to put the tick in "include activities from all age ranges" to increase the number of activities!			
Game	Leaders Choice		10 mins	
Closing	Closing Ceremony			
Resources	As per chosen activities	ı		
Notes	Water Fight Night and Supper next week. Can be as a Group, Inter-Group of Zone. Choose a suitable venue! RAMS / AIF if visiting another pack. Change of clothes and a towel will be needed!			

Term Theme: "All Fired Up - Water"					
Overview: Water fight night!					
Week:	Session theme: Water, Water EVERYWHERE!	Resources	Timing/ Leader:		
Coming in activity:			10 mins		
Opening	 Opening Ceremony Opening Prayer/Reflection Flag Break (Pack Choice) Grand Howl Outline of Session/Evening 		5 mins		
Game/Physical			10 mins		
Key Activity			45 mins		
Cornerstone: New Experiences (National Programme Event)	Group, inter group or Zone Water fight and supper night	Towel, Change of clothes, Bring a plate.			
Game	Leaders Choice		10 mins		
Closing	Closing Ceremony				
Resources			1		
Notes	Remember ANZAC Day is during the school ho of Zone Activity!	olidays – Arrange a Pa	ack, Group		