

<b>week 73:</b>	<b>a hydro geologist</b>
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***What do you think a Hydro geologist does for a living? We all know what a Geologist does ... so a Hydro geologist does the same but specifically looks for water. South Africa has been experiencing a drought due to lack of rain, so we need to look under the ground to see if we can find water there ...***

**Games:**

1. **Steam Release:** How the Earth came together

***Geologists will look at the earth and try and find out what it was like millions of years ago – did you know instead of us having the continents as we have them today, land was one big mass which eventually split up into the continents we know today.***

Cubs run around in a big clump – when the whistle blows, a number is called out and they need to break away from the clump into smaller 'continents'.

2. **Active:** Disappearing Water

***When the drought hits, the bodies of water get smaller and smaller...***

Have a long rope handy for this game. Use it to form a big circle. This will represent a body of water which is full. Cubs run around and when the whistle blows, they all need to get into the water. Those who do not fit into the circle are out of the game. Each time the Cubs run around, make the circle smaller and smaller until there are only two or three Cubs left.

3. **Quiet:** Find the Bell (play the game as directed but call it 'Find the Water!')

*Games module: page 22*

4. **Revision:** Outdoor Code

***We need to make sure we look after the earth and its natural resources – start with remembering as Cubs we obey the Outdoor Code.***

*Games module: page 43*

5. **Relay:** Balancing Wand

***Sometimes, people get a special stick which they use to find water – it is called water divining.***

Get more information here:

[http://www.groundwateruk.org/Does\\_divining\\_work.aspx](http://www.groundwateruk.org/Does_divining_work.aspx)

*Games module: page 30*

## **Sense Training:**

1. **Kim's Game:** Watery Kim

*Games module: page 82*

Instead of the Cubs swimming and looking under the water, fill a large container with water and let them look through goggles to see what is under the water.

2. **Kim's Game:** Find the missing picture (water)

*Games module: page 57*

Ensure you use pictures of water for this game ... find the missing water!

***Remember what happened in the Jungle Book when there was a drought ...water is very important for life and that is why this job is so important.***

## **Yarn:**

### **How fear came to the jungle**

Source: The Jungle Book

The Law of the Jungle - which is by far the oldest law in the world - has arranged for almost every kind of accident that may befall the jungle-people; till now its code is as perfect as time and custom can make it.

Mowgli spent a large part of his life with the Seeonee Wolf Pack. He learnt the law from Baloo the Bear. It was Baloo who said that the Law was like the giant creeper because it dropped across everyone's back and no one could escape it.

This story all began when the winter rains failed to come to the jungle. Ikki, the porcupine, met Mowgli in the bamboo thicket and told him that the wild yams had dried up. Mowgli laughed and said: "What is that to me?" Ikki said: "Not much now, but you do not dive in the deep rock pool near the rocks anymore."

Spring arrived, but no rain - drought had come to the jungle. Slowly the heat crept into the Jungle, turning it yellow and then brown and lastly black. The birds and the Monkey-people went north and the deer and wild pigs went into the fields of the villages. Chil the Kite stayed and grew fat for there was a great deal of carrion. He brought news that the sun was killing the jungle for three days flight in every direction.

Mowgli had to fall back on stale honey and grubs in the bark of trees. The heat went on and on sucking up all the moisture and soon a long lean blue ridge of rock showed in the centre of the stream.

Hathi, the Elephant, declared the Water Truce for it was the Peace Rock that was showing. By the Law of the Jungle it is death to kill at the drinking places when the Water Truce is declared. For so great is the common need for water that everyone must "play the game."

Bagheera was Mowgli's adviser in this time of trouble and one evening he and Mowgli came down to the pool. On one bank were the deer, pigs and wild buffalo and on the opposite bank the eaters of flesh - the tiger, wolves, panther and the bear.

Hathi and his sons were the guardians of the Truce. Mowgli asked him if he had ever seen a drought like this before. Hathi's only answer was "It will pass". There was talk up and down the banks but all the news was bad.

Shere Khan, the lame tiger, limped down to the water and as he dipped his chin and jowl in the water, dark oily streaks floated from it down-stream. He had fouled the water by coming straight from killing a Man. Shere Khan said it was his right and his night and "I killed for choice - not for food".

Bagheera drew himself out of the tainted water and shook each paw, cat fashion. "Was there no other game?" he asked.

Hathi asked: "You killed by choice?"

Shere Khan again answered: "It was my right and my night."

Hathi replied: "If you have drunk your fill then leave the river and go to your lair, Shere Khan."

Hathi's three sons rolled forward a step and Shere Khan slunk away. Mowgli plucked up his courage and asked Hathi: "What is Shere Khan's right?"

"It is an old tale and if all the animals will be quiet, I will tell it", said Hathi.

Hathi began the story. "In the beginning of the Jungle all animals lived happily together and they all ate leaves, grass, fruit and bark. The First of the Elephants, Tha, the lord of the Jungle, made the earth, the jungle and the rivers and trees. While he was away making new jungles and rivers he made the First of the Tigers master and judge of the Jungle. The First of the Tigers ate fruit and grass with the other animals and he was very beautiful with not a stripe or bar on his hide.

Then trouble started. The animals began to argue over the food. One night two buck were quarrelling over the grazing plains and by mistake one of the buck hurt the First of the Tigers with his horns. The First of the Tigers, forgetting that he was master and judge of the Jungle, broke the buck's neck. The First of the Tigers was made silly by the smell of blood and ran away to the marshes of the north and the Jungle was without a judge.

Tha came back to see what was going on and none of the animals could tell him who had killed the buck because they were also made silly by the smell of blood.

So Tha ordered the trees and creepers to hang low and mark the killer of the buck.

The Grey Ape was then made master of the Jungle, but he brought only foolish talk and senseless words to the Jungle. Tha then called all the animals together and said that the First master brought Death, the second brought Shame and now the third will be Fear. Go and look for him. All the animals searched and found Fear in a cave.

The First of the Tigers came back from the marshes to kill Fear, but when he tried he found that he was afraid. He went to Tha to try and get his powers back and the stripes off his hide, but Tha said that never again would the Jungle be the same - the other animals would always be afraid of the Tiger. But because the Tiger had been the First Judge he had one right: Man - who was Fear - would be afraid of him.

On that one night the First of the Tigers killed a man and so he taught man to kill and ever since that time Man has hunted and killed all animals.

The First of the Tigers never would eat leaves and grass again because they had marked him and made him the striped thing he is today, but from that day on, he revenged himself on the buck and the other eaters of grass.

***It's all about the water .... Once you find it, make sure it's clean enough to drink.***

**Craft/Activity:**

1. **Activity:** Make a water purifier

*Advancement module: page 8*

2. **Handcraft:** Wind Up Water bug

Get ready for the Water Bug Race of the year! Use the template provided and create your very own colourful water bug. Time may not allow for personalising your water bug, but you have got to test it out in future weeks. At the end of the Pack meeting take it home and work on it over the week. Test it out for speed.

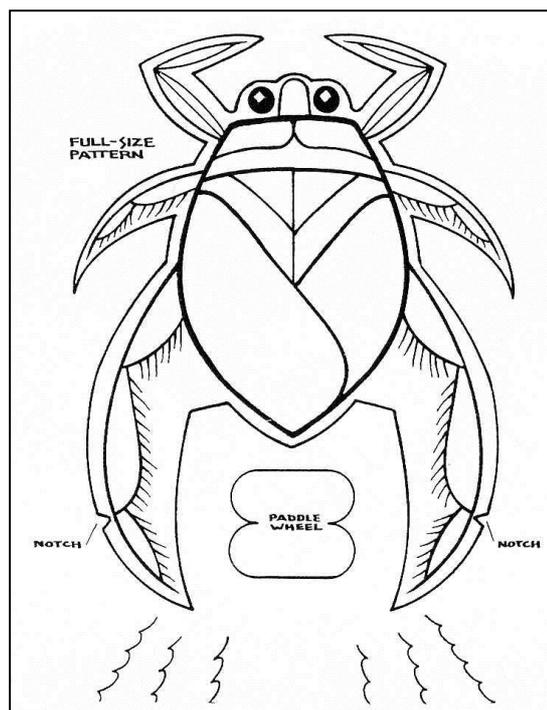
Story to set the theme:

The giant water bug is the biggest and liveliest bug in your waterway. A rubber band and paddle-wheel drive this floating Styrofoam-bug quickly through the water. Make two for a race if you have time. The Styrofoam version is a little bigger than the real thing, but a giant water bug is a huge critter. They can be almost 76.2mm long – so big that they eat tadpoles and even little frogs. The giant water bug is the king of the pond and a terrible bully. If you find a real giant water bug, don't pick it up. Their bite is very mean and includes a mild dose of poison. Some people call the giant water bug the electric light bug because at night they fly up out of their pond and head straight for the nearest light bulb.

You need:

One sheet of tracing paper or photocopy of the template, one Styrofoam meat tray (clean) and 1 rubber band per Cub. Pencil, scissors and a black ballpoint pen.

Template: Change size according to the size of your Styrofoam / polystyrene tray.



3. **Handcraft:** Make a fossil paperweight

***Hydro geologists and Geologists use fossils to find out what happened many many years ago – maybe we should make our own fossil.***

Have a look at this website for easy instructions:

<http://www.homegrownfun.com/how-to-make-homemade-fossils-classroom/>

***It's all about the rain ... if it doesn't rain then we have a problem - as we know.***

**Singing/Play Acting:**

1. **Singing:** Singing in the Rain

*Chorus:*

I'm singing in the rain,  
Just singing in the rain,  
What a glorious feeling,  
I'm / clap / happy again.

Leader: Hold it hold it hold it ...

Verse 1: thumbs up, arms out!

Verse 2: thumbs up, arms out, elbows in!

Verse 3: thumbs up, arms out, elbows in, feet apart!

Verse 4: thumbs up, arms out, elbows in, feet apart, knees together!

Verse 5: thumbs up, arms out, elbows in, feet apart, knees together, bottoms out!

Verse 6: thumbs up, arms out, elbows in, feet apart, knees together, bottoms out, head up!

Verse 7: thumbs up, arms out, elbows in, feet apart, knees together, bottoms out, head up, tongue out!

Verse 8: thumbs up, arms out, elbows in, feet apart, knees together, bottoms out, head up, tongue out, turn around! / *turn in a circle*

2. **Playacting:** Thunderstorm

*When the entire pack performs the actions in unison, the effect is the sound of a thunder and rain storm as it builds then dissipates.*

Create a thunderstorm! The order is:

- rub your hands together
- snap your fingers
- clap your hands together in an irregular cadence
- slap your hands on your legs (at this time a leader flicks a light switch on and off to represent lightning, while another beats a drum to symbolize thunder)
- stomp your feet
- slap your hands on your legs and stomp your feet (represents height of the storm)
- stomp your feet
- slap your hands on your legs
- clap your hands together in an irregular cadence
- snap your fingers
- rub your hands together
- open palms (quiet)

Have fun!

**Advancement covered:**

**Silver Wolf:**

None

**Gold Wolf:**

Awareness Challenge: Healthy Living - Demonstrate how to make water safe for drinking if no clean water is available.