

Dhinawan in the Sky



ACKNOWLEDGEMENT

Code Club Australia acknowledges the Kamilaroi/Gomeroi people as the traditional custodians of this story.

First Nations people are the Traditional Custodians of the land and waters of Australia. We recognise their continuing connection to Country and culture, and pay respects to their Elders past, present and emerging. Australia's traditional owners are the world's first innovators.

Dhinawan in the Sky Story:

In this lesson we are telling the Gomeroi story of the Dhinawan (Emu) in the Sky.

This project was made with the collaboration of Tess Reading, a Gomeroi woman from Tamworth, NSW.

Before you code this project learn more about the Dhinawan in the Sky by reading Tess' blog post at <u>medium.com/code-club-australia</u>

Tess refers to herself as a Gomeroi Woman. Some people prefer Gamilaroi, Kamilaraay or Kamilaroi.

Oral communication is valued greatly and used widely within Aboriginal communities to understand the past, present and future. We encourage students to record the story instead of typing it.





Dhinawan in the Sky



Learn about the Gomeroi Story of the Dark Emu by building your own animation in Scratch.

INTRODUCTION

What you will make

You will make an animation that shows you the different phases of the story of the Dhinawan (Emu) in the sky.



What you will learn

- How to edit sprites in a Scratch project.
- How to change a sprites costume.
- How to make sprites react when they are clicked.
- How to use coordinates on the stage.

What you will need

HARDWARE

A computer capable of running Scratch 3. This project is suitable for an iPad too.

SOFTWARE

Scratch 3: either online <u>rpf.io/scratchon</u> or offline <u>rpf.io/scratchoff</u>

DOWNLOADS

Offline starter project <u>bit.ly/mhemu</u>

Additional notes for educators

Here is a link to the completed project https://scratch.mit.edu/projects/485386641/

<u>Check out our blog post for this project with tips,</u> <u>curriculum and supporting material at</u> <u>medium.com/@codeclubau</u>

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The Gomerol people tracked the lifecycle of the emu using the stars for 2 Add code so that your Dhinawan moves until it reaches the In April and May the Emu appears to be running for (2) seconds sav top-centre of the stage. This is when the Emu is breeding for 2 seconds Test your code by clicking the green flag. In March you will begin to see the female Dhinawan (which means 'Emu' in the Gamilaraay language) making her way into the Southern night sky. Over the next few months, the female Dhinawan will change telling us about what is happening on Country. During April and May, the female Dhinawan will appear to be running, which tells us that it is Emu mating season, and that soon it will be time to collect the eggs. In April and May the Emu appears to be running for 2 seconds sav Add code so that your Dhinawan This is when the Emu is breeding for 2 seconds moves until it reaches the top-centre of the stage. glide 5 secs to x: 22 y: 135 Test your code by clicking the green flag. This is when the Emu is breeding _ for 2 _ seconds Add code to change the costume glide 5 secs to x: 22 y: 135 of the Dhinawan. We also need to add more text to next costume explain the next phase. In June and July we can collect the eggs for 2 seconds During June and July, the female Dhinawan will have laid the eggs, it is then the male Dhinawan's responsibility to sit on the eggs. Add code to change the costume In June and July we can collect the eggs for (2) seconds on your Dhinawan for the next next costume stage. In August we stop collecting eggs) for 2 seconds



Around mid-to-late August the eggs hatch, and the Dhinawan shape in the sky now appears to be two egg shapes. At this time the male Dhinawan takes chicks out and teaches them about the land and where to find appropriate food, water and shelter. During this time on earth, we stop collecting the Dhinawan eggs.

- Add the last section of code to animate the final phase of the Dhinawan in the Sky.
- The Dhinawan has to face down, instead of up, so we have changed the direction by 180 degrees.

next co	ostume
say (In August we stop collecting eggs for 2 seconds
switch	costume to emu2 •
point in	n direction 180
jlide (5 secs to x: 200 y: -130
ay	From November the Gomeroi believe the emu has travelled to earth as it dissappears below the horizon for 2 seconds
\sim	

- Add the direction block at the beginning as well, to reset our code each time.
- Test your code by clicking the green flag.



During September-October, nearing the end of spring, we will start to see

Dhinawan disappear back to the South West. We learn from this cycle: the cycle of the Dhinawan's mating season and the roles that we play on earth in relation to the Dhinawan on the land.

2. THE EMU'S NEST

The baby emu chicks are at the bottom of our stage. Let's add code to match the animation in the sky.

This section switches between sprites, so we've indicated which one to code on the right.



3. ADDING AN ACKNOWLEDGEMENT OF COUNTRY

It's important that both Indigenous and Non-Indigenous Australians acknowledge the Indigenous land that they are on and the People whos story we are telling. We're going to add an Acknowledgement to the Gamilaroi People at the beginning of our animation.



- Add code so that the Emu reappears.
- Test your project.



Challenges:

Add your own Acknowledgement of Country

 Do some research on what Country you are currently on. Can you add a second Acknowlegdement to your animation?
(Don't remove the current one. We need to make sure we always Acknowledge the owners of this story).

Below the horizon

• At the end of the season the Dhinawan dissapears below the horizon. In our animation, the stars are on top of the horizon because it's our background! Can you change the background and the code so that the Dhinawan dissapears correctly.

Congratulations you're a Moonhack changemaker!

Don't forget to talk to an adult about registering your participation at <u>moonhack.com</u>

