

# SEW: A WHETŪ (STAR)



Kia ora! I'm Marina, a Māui dolphin.  
Sew a star constellation with me!

Listen about the stars used by explorers and  
voyagers to help them navigate their way on their  
great journeys.

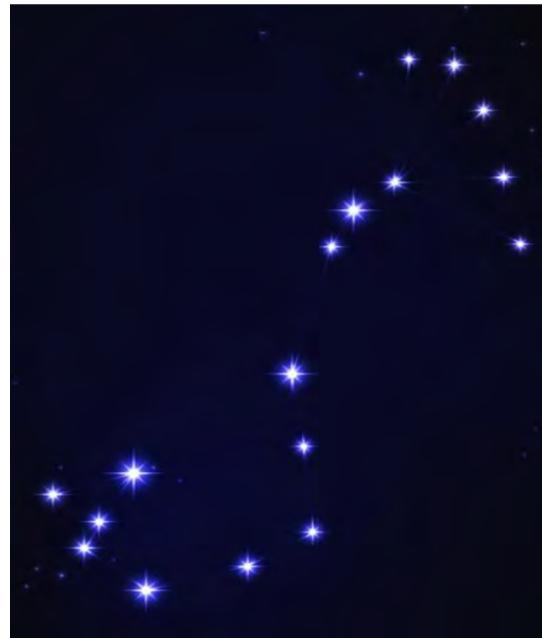
Many great seafarers use the stars to help them navigate their position in the ocean and to decide which direction they should be heading in. Pacific navigators used the stars & constellations below to help them navigate their way through the Pacific Ocean.



## MĀHUTONGA (SOUTHERN CROSS)

This constellation is used to find true south in the Southern Hemisphere.

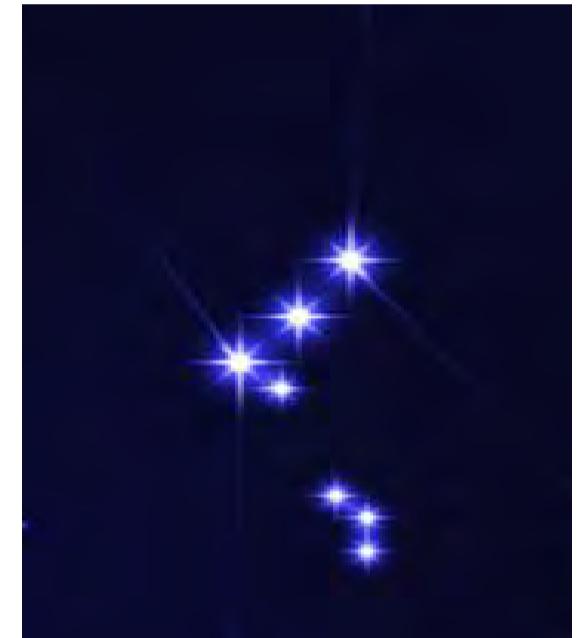
It is made up of the following five stars:  
Alpha Crucis (Acrux), Beta Crucis,  
Gamma Crucis, Delta Crucis & Epsilon  
Crucis.



## SCORPIUS

This constellation can be used to indicate west as it floats low on the western horizon.

It is made up of the following five stars:  
Tamarereti, Mairerangi, Rehua and  
Atutahi.



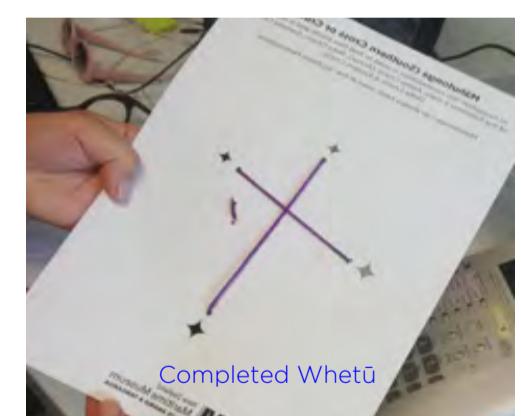
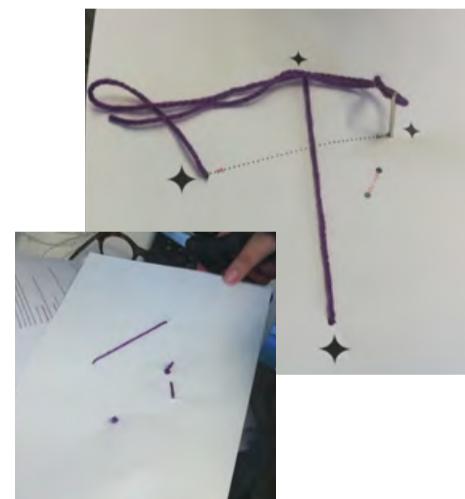
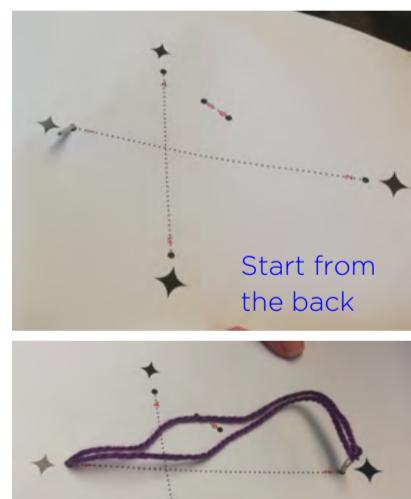
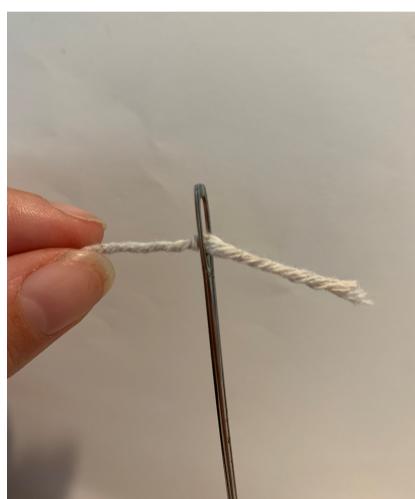
## TAUTORU (ORION'S BELT)

This constellation is used in navigation as it rises very close to due east and it sets due west.

It is part of the wider constellation known as Orion.

## SEW YOUR WHETŪ (STAR)

Print a constellation template from the mini maui's make, bake, create page - there are three to choose from, or do them all! Follow the steps below with the help of an adult:



### 1. Thread your yarn

Thread your yarn through the eye of the needle and make sure to tie a knot in the end of the yarn that is closest to the needle.

### 2. Start sewing

Find the hole that is marked (1) and then flip your piece of paper over to the back, thread your needle through this hole and gently pull the yarn through until only 5cm remains on the underside.

### 3. Sew lines between the stars.

Following the number sequence, sew between the stars to form a straight line of yarn over each of the dotted lines to connect the stars together. Make sure that on each even numbered hole you are threading the needle from the top side of the card (where your constellation is) down to the underside (back) of the card.

### 4. Cut and tie a knot in each end of your piece of yarn on the back of the card.

Flip your piece of card over to tie the knots so that you can't see them. Make sure the knots are big enough so that they don't slip through holes.

You are Finished! Try to see if you can find this constellation in the night sky.