
cARTography



Make Up Maps
with Galway Atlantaquaria



Let's Talk About CARTography

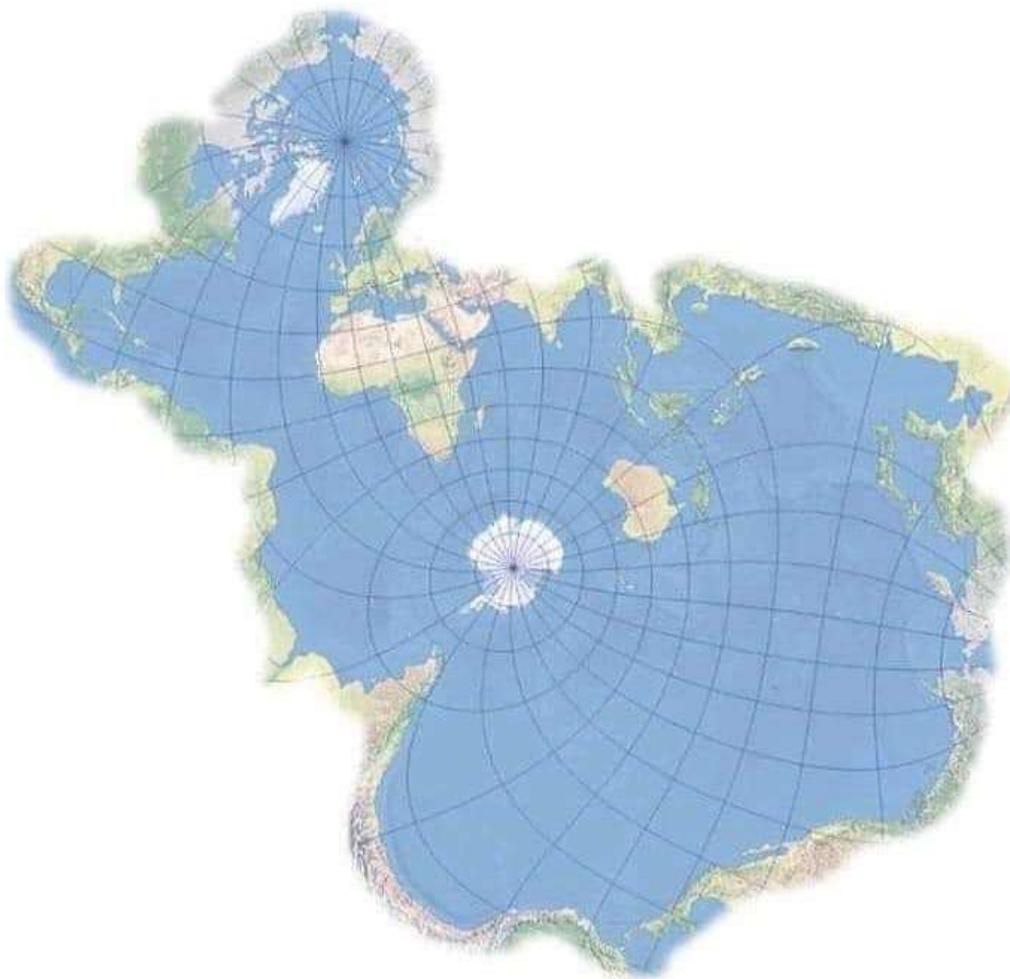
Cartography is the study and practice of making maps. Combining **science**, **aesthetics**, and **technique**, cartography builds on the premise that reality can be modelled in ways that communicate spatial information effectively.

We can also use art to create some wonderful maps to encourage, expression, critical thinking, hand dexterity, mindfulness, planning and fun. #cARTography

You don't have to be great to start, but you have to start to be great.

Zig Ziglar

Maps are fun to create and let your imagination run wild; you can create your own map sphere with ships, sea monsters, castles and more! There is no right or wrong answer when you are creating your own map. Maps also have a very serious side too, they are used as navigation aids for ships to sail across the sea and not crash onto rocks etc. Have a look at this map, as drawn by fishes!



Maps are an insight into the past, tracking and tracing our development of technology and mapping;



Maps also keep the sea healthy, as animal nurseries can be kept safe through special areas of conservation and more!

You can see what areas are under the SAC, here; <https://www.npws.ie/protected-sites/sac>

What is INFOMAR?

Did you know that Ireland's marine territory is 10 times greater than the land? To fully benefit from this vast resource, **INFOMAR will reveal its secrets and unlock its potential by mapping the physical, chemical and biological features of Ireland's seabed.** This is critical for the sustainable development of our valuable coastal and offshore waters. Welcome to our world.

<https://www.infomar.ie/>

There is also **Marine Spatial Planning** and there is a free game to download here;

<https://community.mspchallenge.info/wiki/Welcome>

Marine spatial planning is a process that brings together multiple users of the ocean – including energy, industry, government, conservation and recreation – to make informed and coordinated decisions about how to use marine resources sustainably.

<https://www.housing.gov.ie/planning/maritime-spatial-planning/maritime-spatial-planning-directive/maritime-spatial-planning>

So, now we learned about the importance of maps, what do we do now?

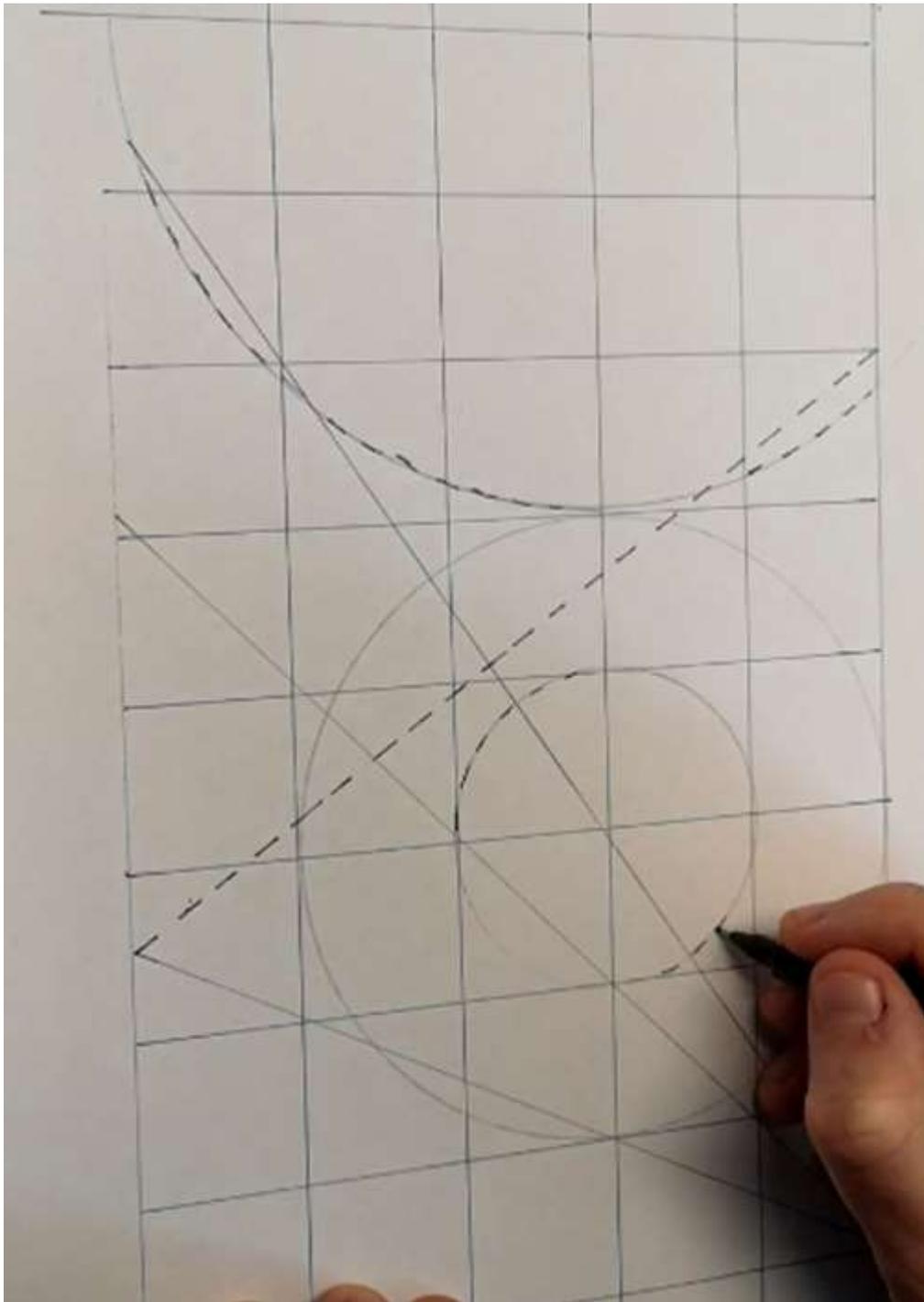
As Zig Ziglar said, we just have to get started!

WHAT DO I NEED?

1. A4 Paper
2. Ink Pens, Pencils, Rulers and rubber
3. Compass for drawing circles



Step 2

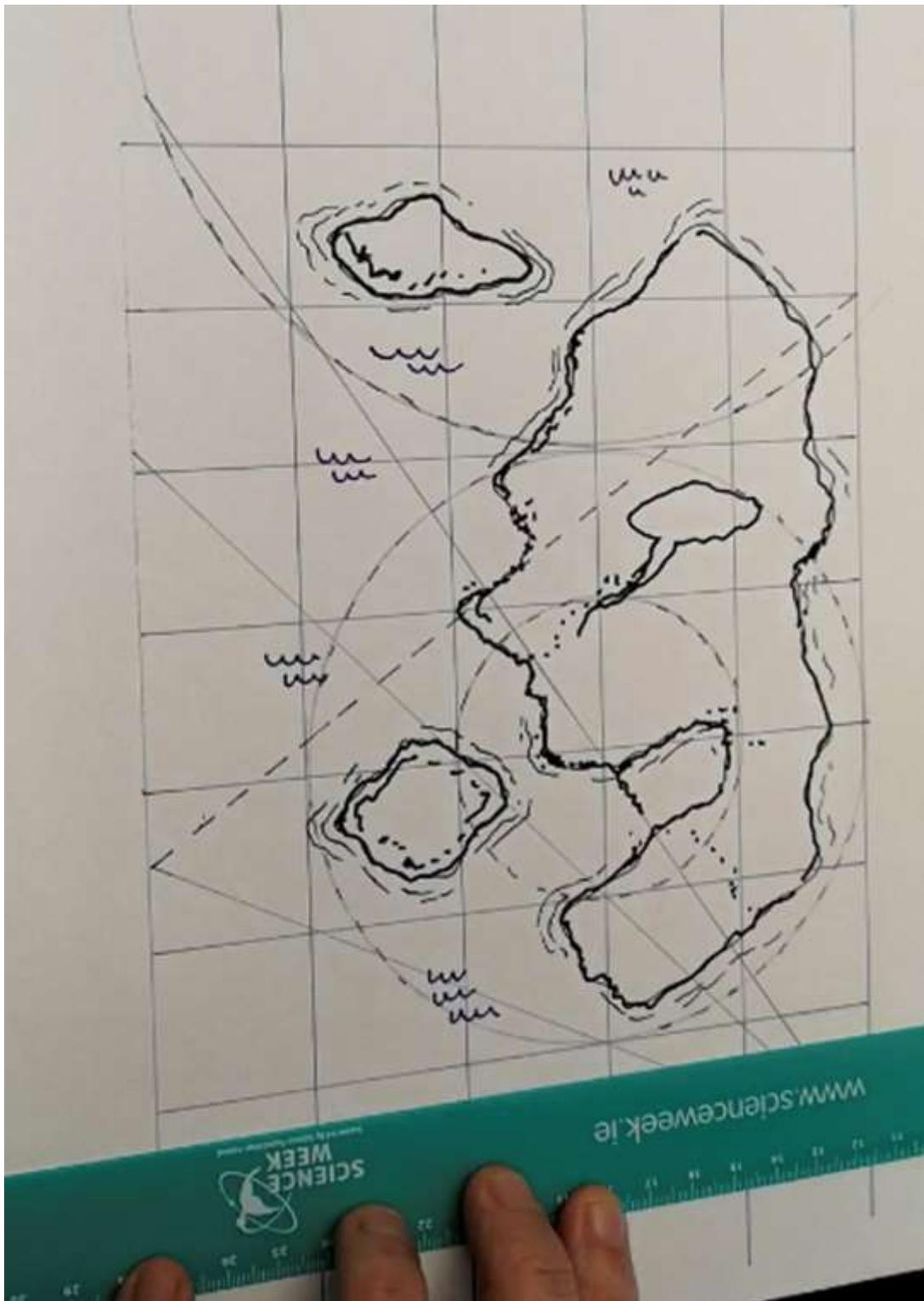


Using a ruler, just divide the A4 Paper into a grid! Use a light pencil as you don't want these to be visible. I used a grey ink pen.

Get your compass and just draw some circles, they can be anywhere and any size.

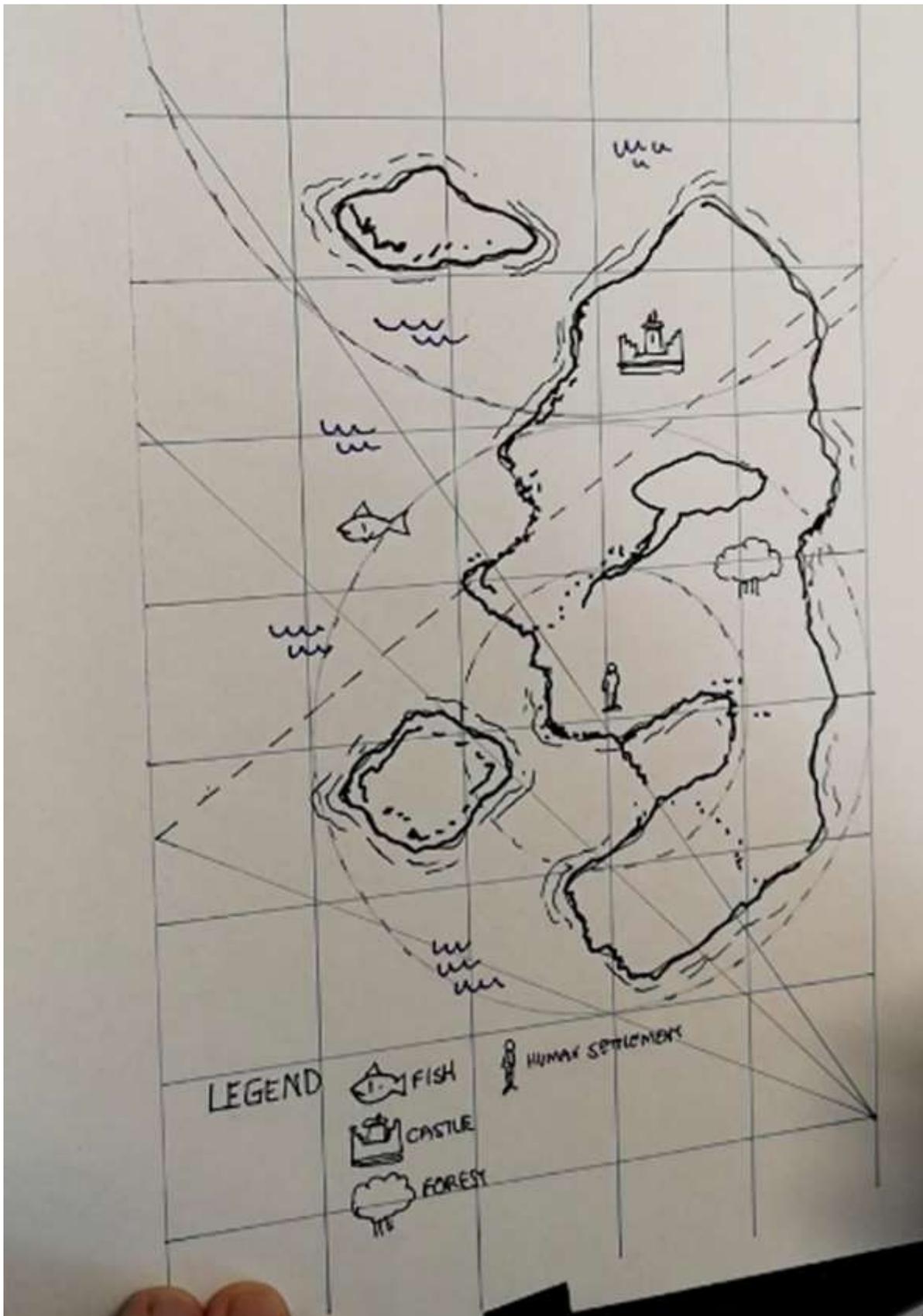
With the lines, mix up the tone, if its dots or lines it just makes the GRID come to life.

Step 3



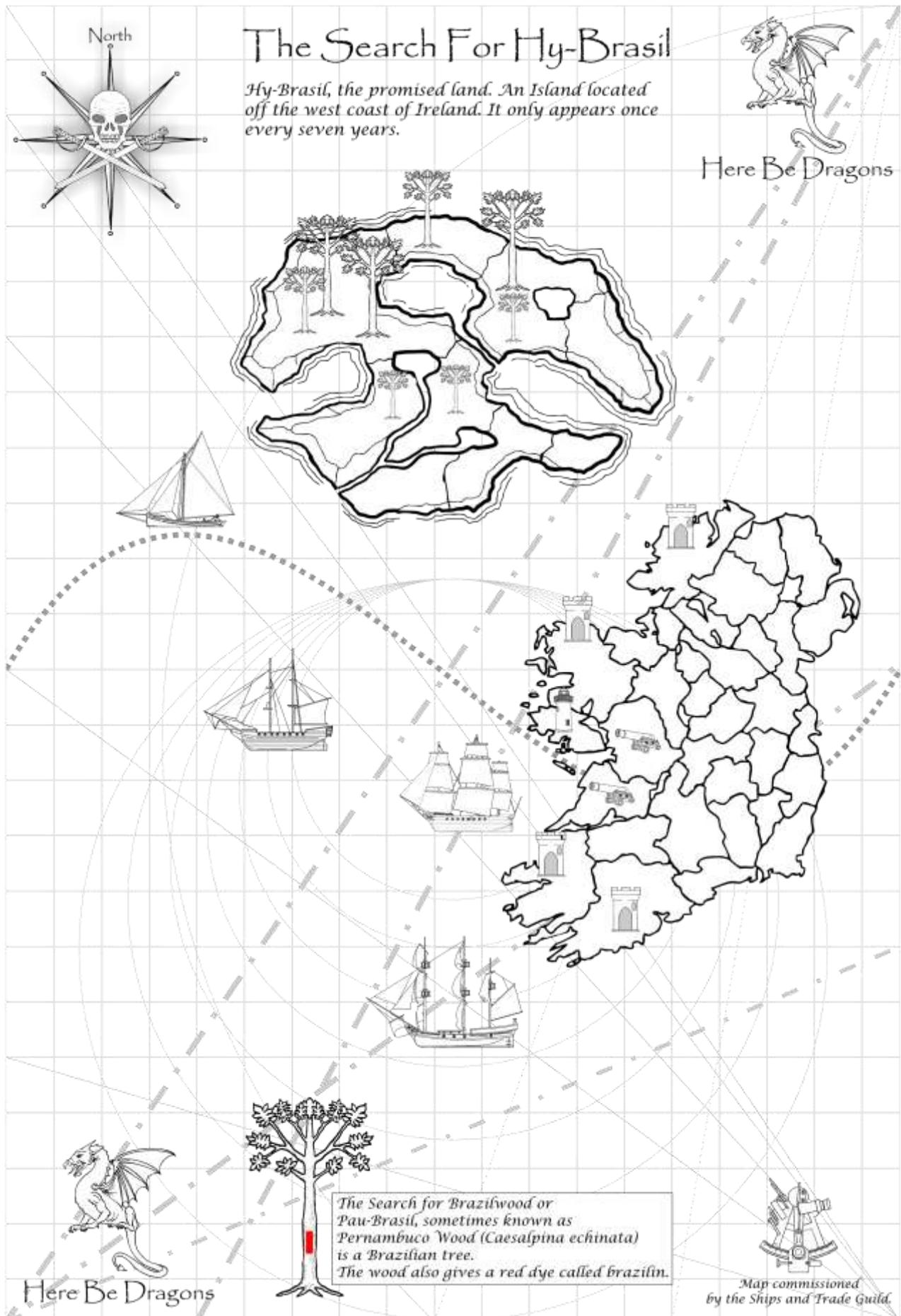
Draw a MAP it can be any shape or size! Draw waves and other rocks to make it stand out. Don't forget to rub out the GRID lines inside the map. Add effects like the wave pattern.

Step 4



Add a legend to your map, draw a fish and then place it in the legend. Add many other objects like ships, sharks, castles, villages, mountains etc.

Step 5 – After many, many days of practice this is what you can create!



RESOURCES

Base MAPS and Resources

Map legend. A map legend or key is a visual explanation of the symbols used on the map. It typically includes a sample of each symbol (point, line, or area), and a short description of what the symbol means. For example, a short segment of a blue sinuous line may be labelled 'rivers'.

Some helpful MAP sites from <https://www.infomar.ie/maps>

<https://www.infomar.ie/index.php/maps/interactive-maps/dynamic-web-mapping>

<https://jetstream.gsi.ie/iwdds/map.jsp>

<https://www.arcgis.com/home/webmap/viewer.html?useExisting=1>

Need help drawing icons, see;

<https://www.autodraw.com/>

Helpful Tip

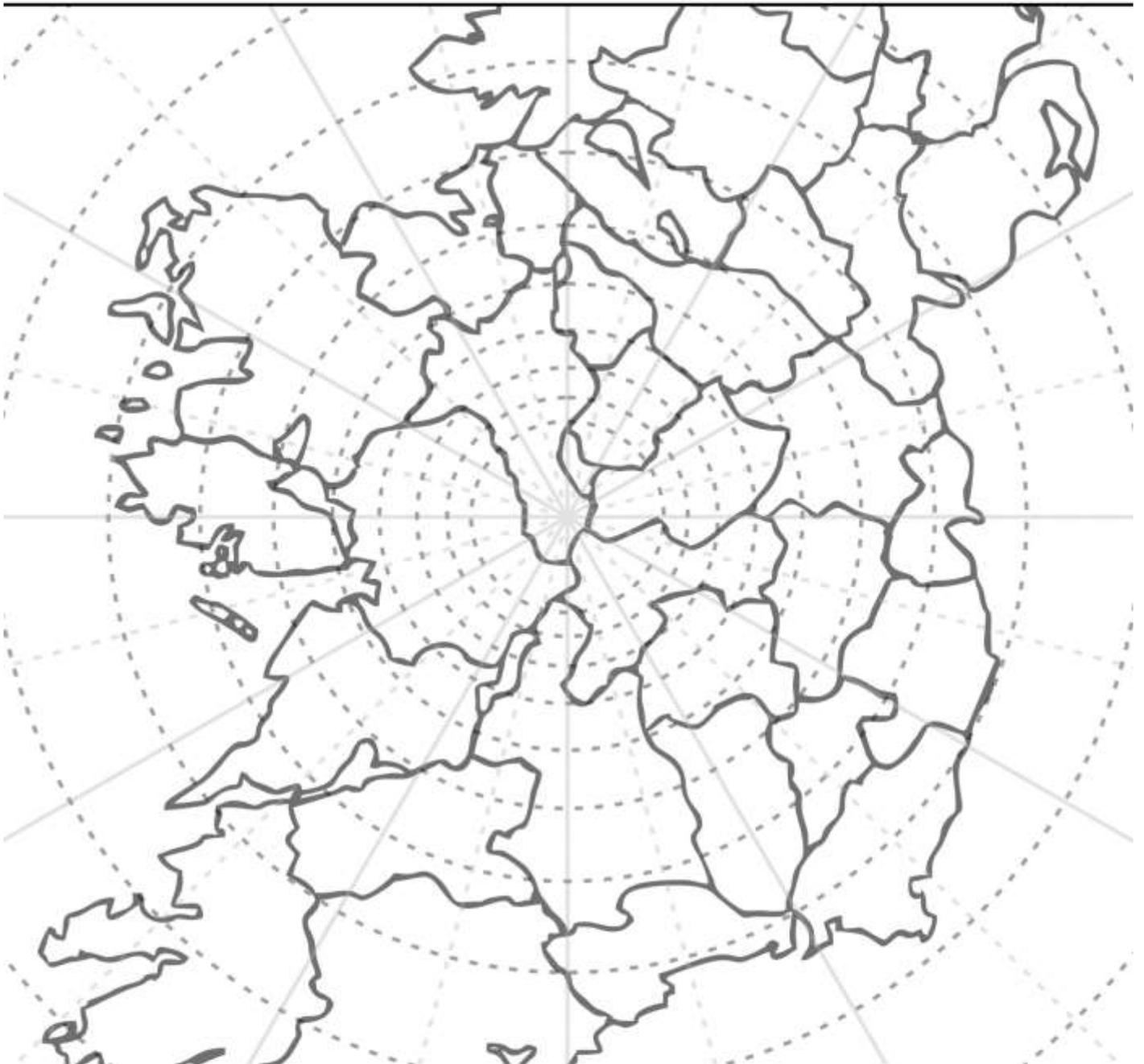
Don't forget the depth of water too, use this as a guide (INFOMAR map key);



See our video;

https://www.youtube.com/watch?v=fFaRm9F1_KM&feature=youtu.be

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