**Global Reef Interactive section Script**

**Summary:** On our website, the viewer will be taken on a guided tour of an interactive globe showing up to date weather patterns. David Attenborough will talk you through it as your guide. The viewer will be prompted by David to explore different sections of the globe. Follow the below script whilst clicking on each link below for reference.

***VO: The Great Barrier Reef is subjected to weather patterns that are truly global. Weather events that occur on the other side of the planet can have lasting effects on the reef itself.***

[The globe has no data overlaid - it’s just a satellite view, slowly the GBR spins into view]

<http://earth.nullschool.net/#current/ocean/surface/currents/overlay=off/orthographic=-217.02,-25.19,881>

[Then, water current data emerges on the globe, the globe zooms in and follows the water currents and stops as they break up. Zoom back out]

<http://earth.nullschool.net/#current/ocean/surface/currents/overlay=off/orthographic=-211.42,-23.82,1534>

***VO: Water currents advance from the east in the Coral Sea, splitting at the Continental Shelf and diverting north and south around the Great Barrier Reef. In this way, the ocean shelf shelters it from the worst of the currents.***

[Then, temperature is added as a layer underneath the waves. Camera slowly pans north/south over the GBR]

<http://earth.nullschool.net/#current/ocean/surface/currents/overlay=sea_surface_temp/orthographic=-210.01,-20.92,2671>

***VO: You can see that far from being a uniform temperature, the reef differs across its 2300 kilometre length hugely; sometimes the north is up to 2 degrees hotter than the south at any one time.***

[Sea Surface Temperature Anomaly comes in]

<http://earth.nullschool.net/#current/ocean/surface/currents/overlay=sea_surface_temp_anomaly/orthographic=-161.26,-19.26,668>

***VO: As we have already discovered, water temperature has a hugely damaging effect on corals. If you analyse the difference in temperature between today and the average over the last 30 years, you can see worldwide that temperatures are very different. When we then overlay bleaching predictions for this year onto this map, it’s clear that an increase of global temperature is directly correlated to Bleaching events. It’s pretty scary stuff.***

[Zoom out and camera move slightly out east to the open ocean waves melt away and are replaced by wind currents]

<http://earth.nullschool.net/#current/wind/surface/level/orthographic=-205.11,-19.71,2671>

***VO: Flying in from the Coral Sea are strong ocean winds. Normally benign, sometimes these winds can grow exponentially, forming huge cyclones that batter the coast, damaging corals, mangrove forests and coastal settlements in the process.***