



Scientist in Every
Florida School
Thompson Earth Systems Institute

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Hurricanes

Ocean Expert Exchange: Hurricanes Edition
A livestream session with Joe Merchant
Meteorologist at the National Weather Service
Monday, April 13th, 2020 at 3 PM EST

Speaker Bio:

Joe Merchant is a meteorologist with the National Weather Service, at the WFO located in Lubbock, Texas. He received his B.S. in Meteorology from the University of Massachusetts, Lowell and MEng in Space Engineering from the University of Michigan in Ann Arbor. Joe has extensive field research experience working on projects focused on severe storms and cloud seeding. His current research focuses on shark location and seabreeze development and began after noticing an unusual cluster of shark attacks that occurred off the coast of the Carolinas back in 2015. This collaborative research served as the inspiration behind National Geographic's SharkFest documentary 'Forecast: Shark Attack'.

Supplemental Resources:

- Reading & Video Short- NASA Science [How Do Hurricanes Form](#) (Elementary resource)
- Reading & Video Short- NOAA SciJinks [How Does a Hurricane Form](#) (K-12 resource)
- [Ready.gov](#) and [Ready Kids](#) Hurricane Preparedness Resources (K-12 resources)
- NWS Education [Weather Science & Safety](#) Activities (K-12 resources)
- NOAA [Follow That Hurricane!](#) Lesson (Secondary resource)
- NOAA Digital Coast [Historical Hurricane Interactive Map](#) (Secondary resource)
NOAA [Tiny Tutorial](#) on use of Historical Hurricane Interactive Map
- NHC [Create-A-Cane](#) Game and [Aim A Hurricane](#) Interactive
- NOAA SciJinks [Hurricane Simulation](#) Interactive
- COMET MetEd [Hurricane Strike!™](#) Module (Middle school resource)
- NHC [Up-to-Date Information](#) (Secondary resource)
- CSU [Season Forecasts](#) (Secondary resource)
- NOAA SciJinks [Weather Job Profiles](#) (K-12 Resource)
- NHC upcoming [Hurricanes At Home Webinars](#) (4th-6th grade audience)

Enjoy!

Stephanie Killingsworth & Brian Abramowitz
Scientist in Every Florida School
K-12 Education and Outreach Coordinators

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