### ****Working with a Real Rainfall Storm****

1. Watch the storm track at the [Hurricane National Center (NWS)](http://www.nhc.noaa.gov/2004matthew.shtml) and the [Louisiana Governor's Office of Homeland Security and Emergency Preparedness](http://gohsep.la.gov/archive/2003_2007/matthew_TS_sun4.htm) (GOHSEP).  Where on Louisiana’s coast did the storm make landing?  How much was the maximum sustained wind associated with the storm?
2. Read two news articles ([1](http://news.google.com/newspapers?nid=1988&dat=20041012&id=rk4iAAAAIBAJ&sjid=5qwFAAAAIBAJ&pg=5076,3554038) and [2](http://www.msnbc.msn.com/id/6219398)) on the storm and its impact on local residents in southeast Louisiana.  What type of damage did the storm cause?
3. Visit [NASA’s Earth Observatory](http://earthobservatory.nasa.gov/NaturalHazards/natural_hazards_v2.php3?img_id=12520) and compare the two satellite images (prior and post-storm) and identify the flooded areas around the City of New Orleans. Copy and paste the pre and post-storm image into your word document and circle the areas with the most flooding impact.

OPTIONAL FOR FRESHMEN.

1. Visit the [Hydro-meteorological Prediction Center, National Weather Service (NWS) website](http://www.hpc.ncep.noaa.gov/tropical/rain/matthew2004.html).  Click on the images that show the total accumulated rainfall.  Which data sources were used to construct these storm-total fields?  Which areas received the most rainfall accumulations?  Are these the same areas that were most flooded according to the [NASA’s Earth Observatory](http://earthobservatory.nasa.gov/NaturalHazards/natural_hazards_v2.php3?img_id=12520)?  Explain/justify your answers.