

Lesson Update and CRT Addendum	
Lesson/Activity Title: Follow the Water	ID: 5-478
Subject: Water in the environment, water and life	Grade: MS
URL: https://www.nasa.gov/pdf/168049main_Follow_the_Water.pdf	
Summary: This lesson covers a broad understanding of water, its effect on and importance to ecosystems and the environment. Included is water in the solar system and the role of water in the search for extraterrestrial life.	
Materials for Lesson: Lesson has detailed materials list for each activity.	

Review and Recommendations	
ALIGNMENT TO STANDARDS	
NGSS	MS-LS1-1, MS-LS1-3, MS-LS2-1, MS-LS2-3, MS-LS2-4, MS-ESS2-1, MS-ESS2-2, MS-ESS2-4, MS-ESS3-2, MS-ETS1-2, MS-ETS1-3, MS-ETS-4
Common Core State Standards in Mathematics	
CULTURAL RESPONSIVE TEACHING (CRT) RECOMMENDATIONS	
5E Lesson/Description	
1. Engage	Teacher should prepare information about the sources of water and watershed areas in their local area and use that to engage and make the lesson more concrete for students. Further, students should be allowed to share any water related special cultural relationship they may have.
2. Explore	While beginning the larger explorations, teacher should spend specific time with the included vocabulary for students (i.e., adhesion, aquifer, brackish...).
3. Explain	Students are asked to provide written narratives. Use this opportunity to create a dialogue or discussion with students. Allow them to answer in the manner in which they are most comfortable. Be open to visual narratives as well.
4. Expand/Enhance	Local water resource data can be analyzed to add more relevance and bring mathematics into the lesson (i.e., increased amount of water treated during

	rain/precipitation events, water output to sewage input and treatment). Teacher can collaborate with Social Science teacher if curriculum topics can be aligned.
5. Evaluate	Teachers are given several suggestions for evaluation. Create a pre and post assessment. Check in with students throughout the process.

Additional Resources: