Resources for Exploring Hidden Figures, compiled by Lipscomb University's College of Engineering

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- Excerpt from Hidden Figures. (We recommend you read a few paragraphs a day, then discuss and journal.): http://nautil.us/issue/43/heroes/the-woman-the-mercury-astronauts-couldnt-do-without
- Discussion Guide for the "Hidden Figures" Film: https://www.techbridgegirls.org/assets/files/what/publications/DiscussionGuideforHiddenFigures.pdf
- AIP Center for History of Physics (Lots of links to other resources, and a brief reading comparing Katherine Johnson and Christine Darden's experiences at NASA) https://www.aip.org/sites/default/files/history/files/LessonPlan_JohnsonDardenandWestComputers.pdf
- Space-Related Engineering Design Challenges from PBS Design Squad – we've been to the Moon, now we want to put humans on Mars! http://pbskids.org/designsquad/parentseducators/guides/activity_guide_moon.html
- Middle School students have really enjoyed Design Squad's Touchdown: http://pbskids.org/designsquad/pdf/parentseducators/DS_NASA_04Touchdown_LN_CS.pdf
- Design Squad's Helping Hand (Tip: buy plastic rulers with holes (to put into a binder) rather than make holes in paint stirrers. Much easier on your hands!): https://pbskids.org/designsquad/build/helping-hand/
- Two Minute Clip about the Curiosity Rover on Mars from Design Squad: https://www.youtube.com/watch?v=fSQCmd3fQCc
- Design Squad's Down to the Core: http://pbskids.org/designsquad/parentseducators/guides/mission_down_to_the_core.html
- Exploring the Solar System Design Squad poster: http://pbskids.org/designsquad/pdf/parentseducators/DSN_NASA_MissionSolarSystem_poster.pdf
- NASA education resources "Modern Figures" (links to other activities and readings): https://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/NASA-Modern-Figures-Toolkit.html
- Video in Spanish of a female NASA Materials Engineer: http://www.scigirlsconnect.org/resources/ingeniera-en-materiales-materials-engineer-alma-stephanie-tapia/
- SciGirls Insulator Innovator Design Challenge: http://www.scigirlsconnect.org/wp-content/uploads/2018/08/Insulator-Innovator.pdf
- Code.org's Introduction to Binary Numbers (understanding binary leads to the languages in coding): https://studio.code.org/unplugged/unplug1.pdf https://curriculum.code.org/csp-18/unit1/5/ Consider Celebrating Hour of Code December 3-9, during Computer Science Education Week!
- Scholastic's resources for Hidden Figures includes Moon Math: https://www.scholastic.com/teachers/blog-posts/christy-crawford/2017/Fast-and-Fun-Resources-for-Hidden-Figures/
- History versus Hollywood post shows the Real Women as played by the Actors (When discussing the movie with Middle School students, we've learned it's important to emphasize "Hidden Figures" is a true story based in historical research!): http://www.historyvshollywood.com/reelfaces/hidden-figures/
- Smithsonian Air and Space Center's Friendship 7 and Hidden Figures: https://airandspace.si.edu/stories/editorial/glenn-johnson-hidden-figures
- Free Posters Celebrating Women in Science (including a Katherine Johnson image): https://www.amightygirl.com/blog?p=14570
- Brief Bios of Katherine Johnson, Mary Jackson, and other women in Science: http://chandra.harvard.edu/women/