

EMS ISD Distance Learning: May 4 – May 15, 2020
Middle School Science Enrichment Choice Board

Instructions: Select 1 or 2 activities each week

6th Grade	May 4 - May 8: 6.11B Gravity May 11 – May 15: 6.11A Celestial Bodies; 6.11 C Space Exploration	
7th Grade	May 4 - May 8: 7.8A Earth’s Processes – Catastrophic Events May 11 – May 15: 7.5C Earth’s Processes – Watershed; 7.8B Earth’s Processes Ecoregions of Texas; 7.9AB Space Exploration	
8th Grade	May 4 - May 8: 8.11C Human Dependence on Oceans May 11 – May 15: 8.11C Human Impact on Oceans	
Mars Exploration Go on a virtual field trip to Mars. Via Single Sign On, access Discovery Education and search for “ <i>Generation Beyond: Mars Exploration Virtual Field Trip.</i> ” Choose a segment of interest to you that connects with your topic of study this week. Create an infographic about your topic, include which segment you watched and why it is important to understand.	Explore Livecams Choose a Livecam or video from TPWD of interest to you that connects with your topic this week. Take or draw 4 - 6 pictures of your observations, write a caption for each picture. Livecam https://explore.org/livecams Texas Parks and Wildlife Department, You Tube Channel https://www.youtube.com/user/TexasParksWildlife	National Oceanic and Atmospheric Administration and NASA STEM @ Home Using the NOAA or NASA websites, create a public service announcement to inform your community about this week’s topic. PSA can be created on paper or digitally. https://www.noaa.gov/education/resource-collections https://www.nasa.gov/stem-at-home-for-students-5-8.html
Engineering Use the design process to solve a problem. Identify a problem as you learn about your topic this week. Sketch a plan or flow chart to solve the problem using the following design process steps: 1) identify the problem; 2) brainstorm; 3) design; 4) build, test, evaluate, and redesign; and 5) share solutions.	Using Models Create a model about this week’s topic. Be sure to label your model and identify the limitations it might have. Your model can be created with household materials or digitally.	Extension Explore the following sites to extend your learning. Amaze Your Brain – Perot Museum Ology – American Museum of Natural History iNaturalist – National Geographic and CAS Exploratorium - Explore
Resources:	Recommended Resources Single Sign On : Discovery Education, Legends of Learning, STEMscopes Optional Online Resources: Khan Academy www.khanacademy.org PhET Interactive Simulations: https://phet.colorado.edu/ National Geographic: www.nationalgeographic.com Smithsonian Learning Lab https://learninglab.si.edu/	

