**Chesapeake Math & IT Academy**

**EARTH FEST ACTIVITIES**

**Friday, April 26, 2019**

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| **Activities** | | **Science Concept** | | **Event Coordinator** |
| A.     Presentations | |  | | ℅ Dr. Clarke |
| 1.  Presentation from “Building The Watershed”  Time of the Event: **8:35 to 9:10AM**  This is a remote presentation and simultaneously broadcast via classroom projector. Students will do a ten (10) minutes activity after introduction of the content.    Students are on their respective 1st period classroom  Set of students will be in the conference room for question and answer portion after the presentation. (10 minutes) | | Waste Management – Exploring biodegradable of Trash. | | Alice Ferguson Foundation |
| 2.      Describes how and why the Global Precipitation Measurement (GPM) mission measures global precipitation.  -This is a live 45 minutes presentation with grade 6, 7, and 8 respectively.  Suggested time:  **10:03 AM to 10:49 Grade 6**  **10: 52 AM to 11:41 Grade 7**  **11: 44 noon to 12:33 Grade 8**  Students are gathered outside (specific place will be determined) | | Aeronautics & Aerospace Research  Information on Earth’s water resources and the importance of freshwater.  - Water cycle “droplets” and GPM stickers to give to the students,  - Offer some resources the staff to help them either front-load their student’s background information or reinforce these concepts after the visit. | | Dorian W Janney    -Senior NASA Earth Science Education and Communications Specialist  - GPM Outreach Coordinator  - GLOBE Mission Mosquito Campaign  - Coordinator and Lead for NASA Satellite Collaborations, GFSC |
| **Movie Marathon**  -        Planet Earth  -        Happy feet 1,2,3  -        Sky (STEM)    This is a room designated for those who have ISS and who will not cooperate during the festival | | Ecology/Biology/life Science/Physical Science | | \*Specific room  ISS students |
| **B.**     **Guided Activities** | |  | |  |
| 1. Bottle Cap Recycle Mural - students will be gluing the bottle caps on the color outline on a wooden board. | | * Art | | Ms Butler |
| 2. Recycling training. There will be activities and worksheets teaching the students how to properly recycle within the PGCPS school system. | | -        Recycling | | Ms Butler |
| **3.** Turning scrap into usable materials | | - | | Ms. Sumor |
| 5. Campus cleanup with tally sheets. There are tally sheets to keep track of what kind of trash and how many pieces of  trash they collect from the CMIT grounds. | | * Ecology/pollution | | Ms Butler |
| **C.**   **Exhibits** | | | *Students and  volunteer parents will be spearheading this event* | |
| 1. Students Diorama |  | | | Gr. 8 Life Science Students |
| 1. Up- cycled |  | | | Gr. 8 Biology Students |
| 1. Robotics |  | | | Mr Dokur |
| 1. Bridge Building |  | | | Ms Crespo |
| 1. Natural disaster dioramas | Natural disasters | | | Ms. Butler |
| **D.** **Demonstration/Education** |  | | | ℅ Science Teachers |
| 1. SCIENCE MAGIC - Science Experiments | Experiments which are actually based on **scientific** principle or concept that makes it look like a **magic** trick. | | | Science Teachers  Mr. Bayram  Mrs Nhyirani  Mrs Crespo |
| 4.   Science Olympiad   * Rocket Bottle * Elastic launch Glider |  | | | Science Olympiad Coaches and students  Mr. Hugh Clarke  Mr Simper from UMD |
| **E.**   **Entertainment** |  | | | ℅ NJHS |
| 1.   Face Painting & Arts |  | | |  |
| **F.**   **Games - all games are tentative - will all be based with NJHS** |  | | | ℅ NJHS |
| 1.   Dunk Tank game | Water Quality & Importance | | |  |
| 2.               Soccer Pool |  | | |  |
| 3.   Radical Run obstacle |  | | |  |
| 4.              Pony Hops |  | | |  |
| 5.   Inflatable Trac |  | | |  |
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| **G.** **Fun Food -**  Tentative- will be based on NJHS approval | No food will be sold to students during the following respective lunches | | | ℅ NJHS |
| 1.      Cotton Candy | VERY IMPORTANT    10:52 - 11-32  no food will be sold to GRADE 6  11:44 - 12:24  no food will be sold to GRADE 7  12:36 - 01:16  no food will be sold to GRADE 8 | | |  |
| 2.   Snow Cones |  |
| 3.      Nachos and Cheese |  |
| 4.  Candy Art |  |
| 5.  Hot Dog Grills |  |
| 6.  Pop Corn |  |
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