MISSION EARTH JUNE SUMMER WORKSHOP Documenting Providence Teachers Implementation of GLOBE and NASA Learning Materials

Wednesday June 27

8:30 - 9:30	Welcome, Introductions - Review Agenda and Goals Online Survey I- ****participants needs assessment- survey monkey on G drive
9:30 - 11:00	A Place to Start: Charting What Each School Did What has your experience been working with GLOBE - Year end review • What science topics did you teach with GLOBE/NASA materials? Last year's curriculum maps along with district curriculum bundle will be distributed. Teachers Share their Experiences with each other at their school • What worked well with the GLOBE/NASA materials? • What could you use for further development of GLOBE/NASA materials for support? (The BU Team can suggest extensions of GLOBE/NASA activities to support these topics.) • Do the GLOBE/NASA lessons align vertically across the grades of your school? • What was the value of the weather stations?
11:00 - 12:00	Building Learning Communities: SHARING IDEAS BETWEEN SCHOOLS - ****See charts created for each school School Groups Reporting to each other what was done • Reporting Back • What did your school do? • What went well? • What needs work? • Review student work: provide examples of students' work/science notebooks What ideas do you get from listening to other schools? Documenting Best Practices
12:00 - 12:30	LUNCH (working)
12:30 - 1:00	Online Survey II- Interview training was not completed - Include creation of posters*** Revisiting Mission Earth & GLOBE CURRICULUM: Review of 4 Spheres with protocols
1:00 - 3:00	Mapping GLOBE into Providence Curriculum (Quarters 1-4). Grade Level Groups ■ Revision of Curriculum Maps- Collected printed curriculum maps □ What GLOBE/NASA Activities fit your grade? □ Which activities need revision □ For which Learning Objectives would you like GLOBE/NASA support?
3:00 - 3:30	Reporting Back

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Thursday June 28

8:30-9:15	Review session goals, daily agenda- Protocols offer Rituals and Routines- Online Survey II - Participants did Training Interview on G drive- folder
9:15- 10:15	Earth as a System and Project Based Learning GLOBE: Samples of Student Projects Slide Show: What have other GLOBE schools done? Presentation by Don http://stemforall2018.videohall.com/presentations/1312?display_media=video Don is suggesting this done in each classroom- refers to Globe Website VIRTUAL Science Fair and Research Symposium// photo samples
10:30-11:15	Project Based Learning GLOBE & NGSS: Science and Engineering Practices Example: GLOBE Phenological Garden
	Teachers Brainstorming by Grade to Plan Age Appropriate Research Questions and Projects
	Atmosphere: Clouds, Water Cycle, Weather
	Geosphere: soil temperature, surface temperature
	Biosphere: bottle biology, Green Up/Green Down
	Hydrosphere
	What Resources are needed? What problems may arise? Planning of data
	acquisition. https://www.globe.gov/web/united-states-of-america/home/student-research-symposia/
	student-resources
	Partnering with other Providence classrooms (same school, different schools) to carry out projects
11:15-12:00	Drafting a Plan for Age Appropriate Classroom Research Work through Research Project Template
12:00-12:30	LUNCH. Share progress/ thoughts. (working) Online Survey III
12:30-1:30	Present Projects in Groups for Feedback and Critique BU Team offers strategies for implementation
1:30-3:30	Continue Lesson Plan preparation for Q1 and Q2. Breakout by grade level Incorporating projects into your Q1/Q2 lesson plans -Exit Interviews- Documenting Your GLOBE experience

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Friday June 29th

8:30-9:15	Review session goals, daily agenda
9:15-12:00	Curriculum mapping and lesson planning by grade level. • Incorporating and timing of projects.
	Building Learning Communities: SHARING IDEAS BETWEEN SCHOOLS
	Share out plans for next year: Designing projects & lesson plans
	Exit Interviews- Documenting Your GLOBE experience
12:00-12:30	LUNCH. (working)
12:30-2:30	Online Survey IV
	Sharing Resources related to GLOBE Providence Curriculum Materials. Data Entry. US Phenological Network.
2:30-3:30	Planning for July Workshop Next Steps: Implementation
	Building a Communication Structure for Year 2 Planned Visits with the BU Team- What Support You Need Ways to Better Implement GLOBE activities