Challenge Updates

Project Updates

5 September 2017

UPDATE 4 – FLOODS

Clarification of Water Disposal

The problem your team investigates must be a part of the human water cycle. For the HYDRO DYNAMICS℠ Project, this means "the ways people find, transport, use, and dispose of water in order to meet a specific need or desire." Since this definition explains the path that water takes when utilized by humans, water "disposal" here refers to "wastewater," or water that has already been used by humans in homes, industries, and businesses. Water disposal does NOT refer to the removal of floodwaters. Therefore, controlling the structural damage or immediate threats to human life caused by natural floods would NOT be appropriate topics for the Project. In order for natural flooding to be a suitable topic, it must be clearly linked to the human water cycle, and a human use of water. An example of this type of linkage might be flood contamination of a water source that will be used by humans.

29 August 2017

UPDATE 3 – SEA LEVEL RISE

Clarification of the Human Use of Water

The potential for sea level rise is an issue of great concern for many communities. In order for this subject to be an acceptable Project topic, your team should be able to relate sea level rise to a problem in the human water cycle. Please remember to focus on a human use of water.

UPDATE 2 – NARROWING YOUR FOCUS

Clarification of the Phases of the Human Water Cycle

While the definition of the human water cycle includes four phases ("find, transport, use, and dispose"), your team does NOT have to investigate all of these as part of your Project. You may

focus on one or more parts of the human water cycle when identifying a problem and designing a solution.

UPDATE 1 – FRESH WATER VS. SALT WATER

Clarification of Categories of Water

The HYDRO DYNAMICS^{SM} Project is not limited to the study of fresh water. Teams may explore a use of fresh water, brackish water or salt water. However, the problem your team selects should be a part of the human water cycle. The human water cycle is defined as, “the ways people find, transport, use, and dispose of water in order to meet a specific need or desire.” So, whatever type of water your team selects, you should be able to clearly demonstrate how the water is used to meet a human need.

Robot Game Updates

29 August 2017

UPDATE 1 – Leniency

If you Interrupt the Robot while it’s Transporting a Mission Model that came from Base during the most recent Launch, you may keep that model.