Curiosity Hacked Asteroid Challenge Final Project Summary

11/15/14

In partnership with SpaceGAMBIT, Curiosity Hacked proposed to develop a new program in collaboration with NASA's Asteroid Grand Challenge. CH has developed a new mastery badge for Asteroids that compliments our comprehensive Space Exploration and Technology Badge. Together, these pathways encourage communication and the sharing of information, creating a network of young citizen scientists. Our badge curriculum, built with the collaboration of scientists and makers, introduces and builds knowledge and skills around an immediate need to understand, track, and crowdsource the possibilities of asteroid study and usefulness. The badge offers a comphrehensive and holistic view of asteroid research while allowing personal and self-motivated interest to guide the learner's pursuits in this area of study. The badge can be found online here.

One of the most successful pieces of our work with SpaceGAMBIT over the past months has been the dissection of how we approach badges and why we structure them to cater so intimately to individual goals and needs. Our badge theory document explains this process in a thorough, accessible way so that other may benefit from our experience. The document is in process of being edited by the board and reviewed by partners in the library/museum fields before publication and disbursement. A challenge for this portion of the grant has been getting feedback from relevant parties in a timely matter.

Finally, we have set up a temporary google group to assess participation in online information sharing per the advice of SpaceGambit. We still plan on creating an online forum, but need to find the appropriately skilled party and ascertain what structure would be most helpful.

AGC	Includes	Allowance	Spent	Remaining from $15,500 total grant
Part 1: badge	Curriculum Development and Prototype, materials	4000	4000	0
Part 2: Community	Build online community forum and maintenance, hosting fees, outreach	5000	0	5000

Part 3: Theory Document	Write document for Open source disbursement, produce online copies and hard copy packets for libraries, etc including outreach	6500	2000	4500

Financially, we have been on target with our estimated costs in most ways. The first problem we encountered was finding someone qualified to build the forum we designed. Under the advice of SpaceGambit, we started a simple Google Group to assess the needs of those using our badges before we move forward.

The second area of adjustment was with the [theory document.](#) We have published online, but most libraries and museums we are working with have asked us for workshops instead of a hard copy packet. We have scheduled several workshops with educators and librarians and will professionally shoot a video of the workshops, which use our Space Badges as an example of learner centered education, so that we can publish and distribute our model most effectively and in the way these organizations need us.

 We are safeguarding the funding for the document production and the forum for use as soon as applicable.