

SCI KIT: BRINGING HANDS ON SCIENCE ACTIVITY AT HOME

ABSTRACT

Covid 19 pandemic brought changes in the field of education, and these changes affect the approach in teaching science resulting to new challenges to teachers and learners. One of those challenges is on how to continuously develop the scientific skills of the learners in a remote or online learning set up. In line with this, the science teachers of Pasig Catholic College created a Sci Kit- a science laboratory kit that contain materials for science experiment like making an eclipse model, planisphere and a like.

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INTRODUCTION

"The K to 12 science curriculum is learner-centered and inquiry-based, emphasizing the use of evidence in constructing explanations" (A text from DepEd Science Curriculum Framework)

Pasig Catholic College remains consistent in promoting quality Science education even in the time of pandemic. As part of science teaching-learning process, they have high regards to how laboratory activities help students realize and apply the scientific concepts, ideas and theories. Furthermore, the science teachers exerted efforts in the delivery of science lessons in online set up. In connection to this, science lab kits were created. The Sci Kits are learning packets that contain the laboratory materials and laboratory worksheets that are needed in science online class to perform the laboratory activities from the comfort of student's home. Examples of these are the lessons in constellation, eclipses, and comets. The selection process of the materials included in the lab kits were carefully planned and studied by the science teachers to ensure its safety, durability, and effectiveness in augmenting the learning competencies.

OBJECTIVE

To evaluate the effectivity of science laboratory kit.

METHODOLOGY

The researchers used descriptive design because it intends to focus on the present condition particularly the evaluation of the usage of Sci Kit in online class of Pasig Catholic College.

The results were tabulated and analyzed with the use of percentage formula and overall mean.

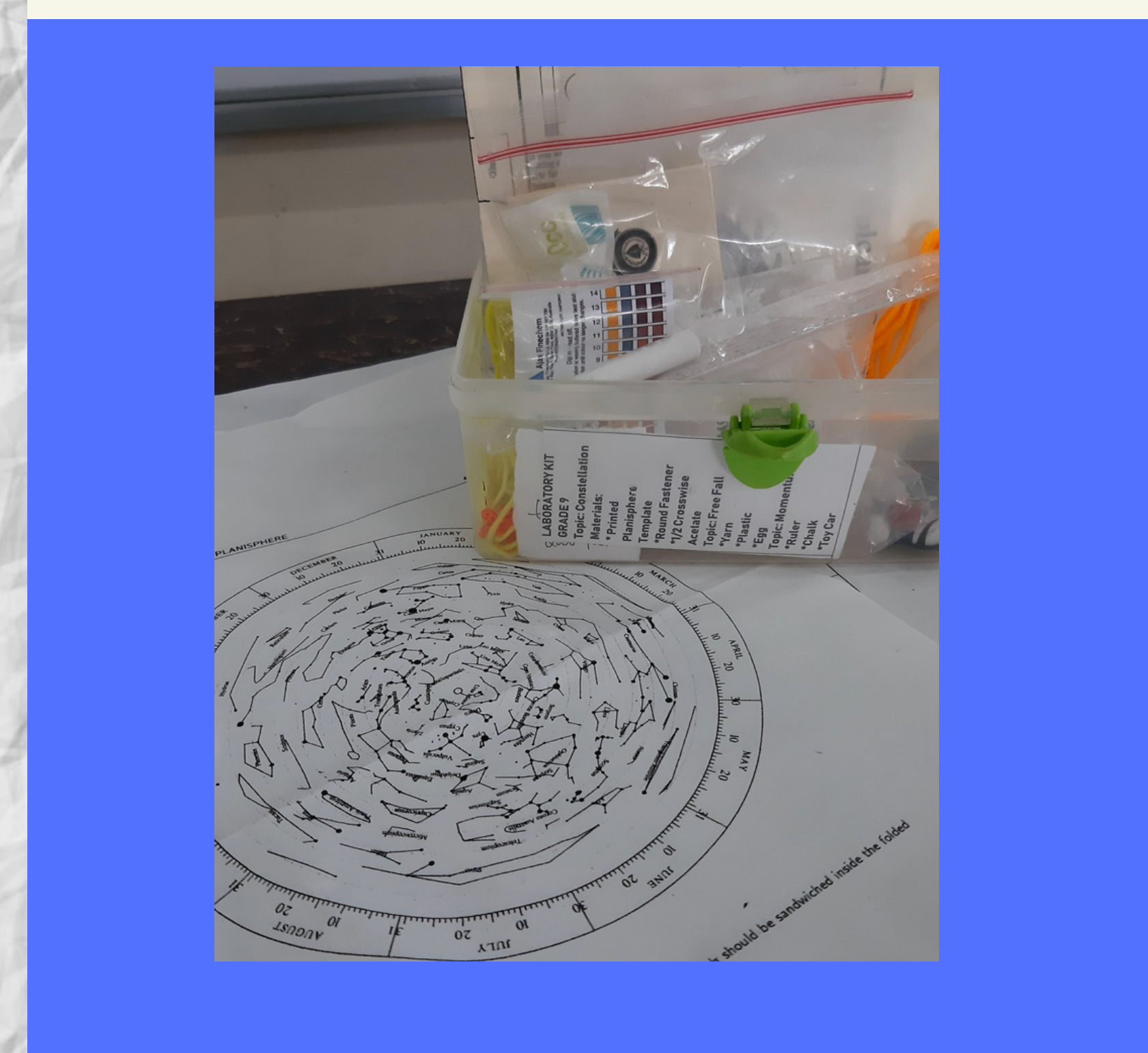
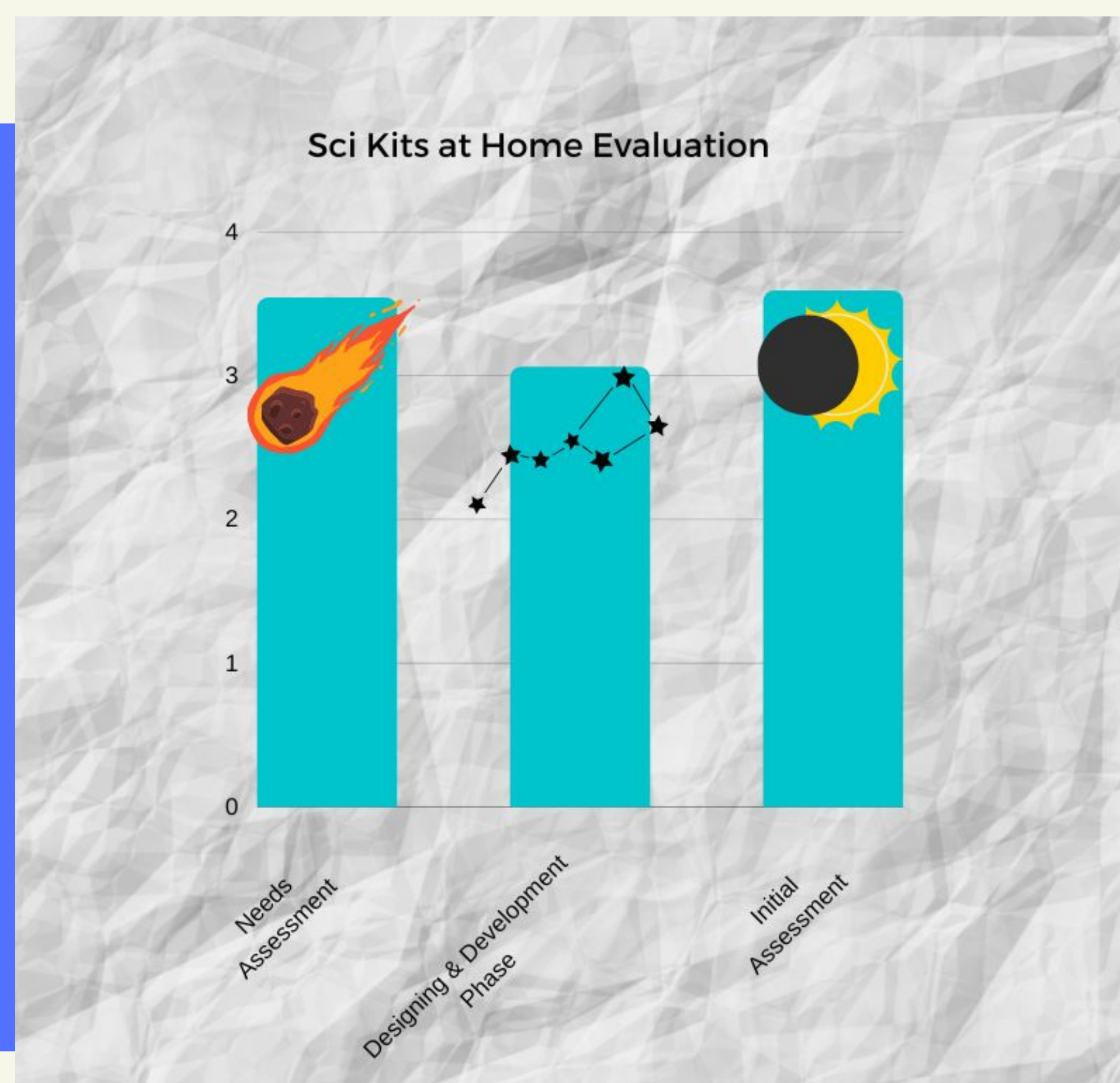
RESULTS

The sci kit evaluation showed 3.54 which means often in the needs of assessment, while in designing and development phase got 3.06 which interpreted very important and the initial assessment on the use of sci kit got 3.59 which means the students agreed that there is an ease on the use of sci kits.



ANALYSIS

Based from McCabe & Gonzalez-Flores (2017), doing science online class laboratory find it easy for the students because of the flexible schedule in asynchronous mode. Thus, doing science experiment at home like creating a planisphere turns out to be helpful. Furthermore, Jeschofnig (2011), mentioned that performing lab experiments at home were mostly enjoyed by the students which also reflects on the evaluation of the sci kits.



CONCLUSION

Based on the results, the following conclusions were made:

1. The use of sci kits is effective in science online class to help the students in developing their scientific skills in different science concepts.
2. Further development on the packaging and materials for the sci kits is needed especially in model making concepts like in the topic of eclipse.

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