The objective of this study was to develop and validate Basic Education Curriculum (BEC) support materials in the form of a workbook based on the needs and concerns of students and teachers in understanding and teaching Mathematics II (Intermediate Algebra).

The research followed the research and Development (R & D) methodology which has three stages: planning stage, development stage and validation stage.

The planning stage has two specific phases—preliminary preparation and designing the materials while the development stage includes the development and internal validation and revision of the instructional materials.

The validation stage involves the tryout of the workbook, evaluation of tryout results and final production of the workbook.

The data needed were gathered using three instruments namely: needs survey instrument to determine the topics/lesson to be incorporated in the workbook, content validation checklist, and a validated pretest/posttest.

The support materials were evaluated in terms of objectives, activities, design characteristics and evaluation items by 10 respondents; 1 Education supervisor, 1 principal, 1 principal, 1 head teacher, 7 master teachers who are experts in the field of mathematics by the use of a five-point evaluation checklist patterned after a model of evaluating modular texts. These materials were revised based on the results obtained and the suggestions given by the panel of experts.

After the revision of the support materials, they were tried out two groups of students of the Ilocos Norte National High School to determine the effectiveness. Weighted mean was used to determine the validity of the instructional materials and the t-
test was used to determine if there is a significant difference between the pretest and posttest scores of the students.