

**LESSON EXEMPLARS IN SELECTED COMPETENCIES OF
GRADE 8 GEOMETRY**

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CERTIFICATE OF APPROVAL

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COMPETENCY, GEOMETRY, LESSON EXEMPLAR

Abstract

The study aimed to develop and validate lesson exemplars in selected competencies of Geometry for Grade 8 students of Agusan del Sur National High School. The respondents of the study were the 1036 Grade 8 students, 285 Grade 9 students and five (5) Grade 8 Geometry teachers of the said school during the school year 2015 – 2016. The study made use of the descriptive-developmental method and employed the stratified sampling technique in selecting student-respondents; the statistical tool used in analyzing the data was the mean. The lesson exemplars were developed following the constructivism and cooperative learning strategy which would improve the performance of students in Grade 8 Geometry particularly in Inequalities in Triangles and Parallelism and Perpendicularity topics which were found out in this study as the least learned competencies. The content validity was done by the three (3) Mathematics specialists who rated the lesson exemplars as very satisfactory. Similarly, the usability of the developed lesson exemplars was rated as very satisfactory by the Grade 8 Geometry teachers. Based on the findings, it was concluded that the developed lesson exemplars were valid and useful in improving the mastery level of the Grade 8 Geometry students in terms of Inequalities in Triangles and Parallelism and Perpendicularity. Thus, the use of these lesson exemplars is highly recommended.

LESSON EXEMPLARS IN GRADE 8 GEOMETRY

Grade 8 Geometry teachers are encouraged to modify the lesson exemplars if needed to improve students' achievement in the said Geometry topics and they are also motivated to develop lesson exemplar for the other strands of Grade 8 Mathematics. Furthermore, the Department Heads and School Administrators must encourage their teachers to develop more lesson exemplars for the other subject areas to address the least learned competencies. In addition, an action research can be initiated to identify the effectiveness of the developed lesson exemplars and parallel studies can be conducted using other strands of Mathematics Curriculum in the same or another parameter.

COMPETENCY, GEOMETRY, LESSON EXEMPLAR

Abstrak

Layunin ng pananaliksik na makadebelop at makapagbalideyt ng *Lesson Exemplars* sa mga piling kasanayan sa Geometry ng mga mag-aaral sa Baitang 8 ng Agusan del Sur National High School. Ang mga respondent ay binuo ng 1036 mag-aaral ng Baitang 8; 285 mag-aaral ng Baitang 9 at limang (5) guro sa Geometry Baitang 8 ng nabanggit na paaralan sa taong panuruan 2015-2016. Pamaraang *descriptive-developmental* ang ginamit; teknik na *stratified sampling* sa pagpili ng mga kalahok at *mean* sa pag-analisa ng datos. Pinagbatayan sa pagdebelop ng *Lesson Exemplars* ang *constructivism* at *cooperative learning strategy* na makaaangat sa performans ng mga mag-aaral sa Geometry ng Baitang 8 lalo na sa mga paksang nahihirapan sila kagaya ng *Inequalities in Triangles* at *Parallelism and Perpendicularity*. Parehong markang *very satisfactory* ang hatol sa *Lesson Exemplars* mula sa tatlong (3) ekspert na balideytors sa Matematika na sumuri sa nilalaman at mula naman sa mga gurong sumubok nito. Napatunayan na ang mga nadebelop na *Lesson Exemplars* ay makatutulong sa pagpapaunlad ng pagkatuto ng Geometry Baitang 8 lalo na sa mga natukoy na paksa. Samakatuwid, lubos na iminumungkahi sa mga guro na gamitin at linangin pa ang

nabuong kagamitang pampagtuturo kung kinakailangan. Kailangang hikayatin din ng mga administrador ng paaralan ang kanilang mga guro na magdebelop ng mga kagamitan sa ibang asignatura upang matugunan ang mahihirap na kasanayan. Dagdag pa, maaaring gumawa ng *action research* upang masubok ang bisa ng nabuong *Lesson Exemplar*. Maaari ring gumawa ng kahalintulad na pag-aaral at magdebelop ng iba pang *Lesson Exemplars* sa ibang bahagi ng kurikulum ng Matematika.

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This work is dedicated
to her inspiration,
the source of her strength and the love of her life ...
her family.

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to all students in Agusan del Sur National High School.

L. P. A.

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