# HIGHLAND HIGH SCHOOL

LESSON PLAN

NAME: *A. Daka* DATE: *07 - 06 - 12* CLASS: *10 C*
SUBJECT: *Mathematics* TIME: *14:25hrs* *No. of Pupils*
TOPIC: *Factorization by Grouping* Department: *Mathematics*
REFERENCES: *Zambian Mathematics, Mathematics 10 and Chalkboard.*
OBJECTIVES: *At the end of the lesson, PSBAT:*
*(a) Factorize correctly by grouping*
*(b) Get at least 5 out of 8*

| TIME PHASE | CONTENT | TEACHER'S ACTIVITY | PUPILS ACTIVITY | METHODOLOGY |
|---|---|---|---|---|
| *5 – 10 minutes* | Introduction | *- Teacher asking pupils questions on the previous topic* | *- Pupils answering orally.*<br><br>*- Note taking.* | *. Question and answer.* |
| *30 minutes* | Lesson Development | *- Teacher explaining to pupils that Factors by grouping when factors with the same factors are grouped and factorized.*<br><br>Factorise<br>1. ax + ay + bx + by<br>2. ax – by + bx – ay<br>3. 8ax + 12ay – 8bx – 12by | *- Pupils to participate by answering examples on the chalkboard.*<br><br>***Solutions**:*<br><br>- *Writing notes.* | *Class discussion* |
| *40 minutes* | Assessment | *- Giving Class Work on the chalkboard*<br><br>*Ex6 P71*<br><br>*Factorise each of the following.*<br><br>1. ap + bp +aq + bq<br>2. am + bn + bm + an<br>3. $a^2$ + ab – ac – bc<br>4. 2x + by + bx + 2y<br>5. 3ax + 6ab + 4x + 8b<br>6. ax – y + x – ay<br>7. 3ax + 2ay + 6bx + 4by<br>8. 9ax + 15ay – bx – 15by | *Doing the exercise individually in their notebooks.* | *Chalkboard* |

EVALUATION:
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