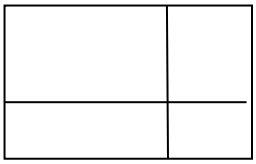
HIGHLAND HIGH SCHOOL
LESSON PLAN

NAME: *A. Daka* DATE: *29 - 05 - 12* CLASS: *10 C*
SUBJECT : *Mathematics* TIME: 14:25 No. of Pupils:
TOPIC: *Processes of Algebra – Further Expansion* DEPT: *Mathematics*
REFERENCE/AIDS: *Mathematics 10 and Chalkboard.*
LESSON OBJECTIVES: *At the end of the lesson, PSBAT:*
(a) Expand Algebraic expressions with double brackets.
(b) Get at least 5 out of 8

TIME PHASE	CONTENT	TEACHER'S ACTIVITY	PUPIL'S ACTIVITY	METHODOLOGY
5 – 10 minutes	Introduction	*- Teacher drawing a partitioned rectangular field on the board and asking pupils to find the total areas of the field.*  *5x* *3*	*Answering orally and note taking.* Area A = 2x x 5x = $10x^2$ Area B = 2x x 3 = 6x Area C = 2 x 5x = 10x Area D = 3 x 2 = 6 i.e. A + B + C + D = $10x^2 + 16x + 6$ ∴ Area of Rectangle A = lb A = (5x + 3)(2x + 2) = $10x^2 + 16x + 6$	*. Question and answer.*
30 minutes	Lesson Development	*- Showing pupils how to expand double* ***bracket algebraic*** *Expressions. Telling them that each term in the first bracket is multiplied with each term in the second bracket, then group like terms.* e.g. Expand and simplify 1. (a – b)(a + b) 2. (x + 1)(x + 2) 3. $(a + b)^2$ 4. $(x – 4)^2$ 5. $(m - 3)(m^2 - 2m)$	*- Pupils to participate in solving examples on the chalkboard.* *- Writing notes.*	*Teacher exposition*
	Assessment	*- Teacher giving Home Work Ex3 P67* Expand and simplify 1. (x + 4)(x + 2) 2. (2a + b)(3x + 2y) 3. (xy + 2)(x + y) 4. $(5x – 2)^2$ *5.* (p – 6)(-p – 5) *6.* (2m + n)(3m + n) *7.* $(a^2 + ab + b^2)(a – b)$ *8.* (3x + 4)(2x – 3) *9.* (2 + b)(a – 3) *10.* (x – 3)(2x + 5)	*Doing the exercise individually in their notebooks.*	*Chalkboard*

EVALUATION:

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