







Junior Secondary Mathematics Curriculum (S1 – S3)

Learning Unit 11 - Polynomials Active Learning Lesson Activity

Teacher's demonstration and explanation

Teacher's Activity			Students' Activity	
Teacher:			Students:	
YoTeach! will be used to demonstrate operation of polynomials.			同数回	
Perform addition of simple polynomials $5x + 3x = 8x$				
Perform subtraction of simple polynomia $4x - 2x$ $= 2x$	ıls		https://yoteachapp.com/ Enter the room by	
Perform addition and subtraction of more	complicated polynom	ials	scanning the QR code and entering the pin:	
Home / QEF Sample	Lesson Plan S1	ADMIN LOGIN P ROOM OPTIONS	51272215.	
Example 1: Prin: 51272215 Refresh. Prin: 512722215 Refresh. Prin: 51272215 Ref		ENABLE VOICE	Observe and work out	
5x + 3x - 2x = $8x - 2x$ = $6x$	5x + 3x − 2x - 6x − 2x - 6x − 2x - 6x ⊕ ⊕ 2x ↑ 6x ↑ 0x ↑ 6x ↑ 6x ↑ 6x ↑ 6x ↑ 6x ↑ 6	message	according to teacher's demonstration.	
Example 2:	Subtraction of ample polynomials $ \begin{aligned} 4x &= 2x \\ &= (x + x + x + x) - (x \\ &= x + x + x + x - x - x \\ &= 2x \end{aligned} $ $ \Leftrightarrow $		Students can ask questions through YoTeach! .	
8x + 3y + 2x - 3y = $8x + 2x + 3y - 3y$ = $10x$	3 days ago $Add Son \ if \ exple polynomials.$ $Sx + 3x = (x + x + x + x + x) + (x$	Click.hers to see ordise name last.		
Example 3:	= x + x + x + x + x + x + x + x + x + x			
$-9xy^2 + 21x^2y - 3x^2 + 2y^2 - 4x^2y$ $= -9xy^2 + 6xy^2 + 21x^2y - 4x^2y -$ $= -3xy^2 + 17x^2y - 3x^2 + 2y^2$ Example 4:	$-3x^2 + 2y^2$ $\begin{array}{c} & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & $	OSE Samola Lesson Plan S1 ing to: Teacher. $2a^2b + 6ab^2 - 7ab - 3ab^2 + 9a^2b$ $\Leftrightarrow \Theta = \otimes \text{ a student a}$ is a spo		
After example 1, 2, and 3 are done the teacher will ask students to simplify the following polynomial on their own:				
$5ab - 2a^2b + 6ab^2 - 7ab - 3ab^2 + 9ab^2 + $	3 day	rs ago		
Teacher will ask students to write down their solutions in YoTeach! . Describe 3. $-9xy^3 + 21x^2y - 3x^2 + 2y^2 - 4x^2y = -9xy^4 + 6xy^4 + 21x^2y - 4x^2y - 3x = -3xy^4 + 17x^2y - 3x^2 + 2y^2 - 3x^2 + 3x^2y - $				
Teacher will check all the solutions of str the correct answers, and go over closely incorrect.	udents, identify	a a a		









初中數學課程(中一至中三)

學習單元 11 - 多項式 主動學習課堂活動

老師的教學示範及解釋

