

Lesson Plan for June 17th - 28th 2019

Class: Krypton - IG

Teacher: Kanchana

Subject: Mathematics

Topic	Algebra	
Sub-Topic	Equations, formulae and functions	
Objectives	<ul style="list-style-type: none"> • Review setting up an equation and transforming formulae for more complex formulae • Understand and work with functions, composite functions and inverse of a function 	
Applications of the topic	<ul style="list-style-type: none"> • Setting up a linear equation and changing the subject of a formula sets the foundation for solving linear equations (provide e.g. of a real-life problem that can be modelled with a linear equation) • Understanding functions and function notation sets the foundation for vectors, matrices (used in Physics, Higher Order Math computation, Computer Graphics, etc) as well as basics for computing language syntax 	
Pre-requisites (Terms, Methods)	Chapter 6: Equations and transforming formulae	
	Terms: subject of the formula, transformation	Methods: transforming simple formulae: e.g. make x the subject of the formula for: $2x + 3y = 9$

Textbook Chapter(s), Worksheets	Chapter 22
Classwork and Assignments	<ul style="list-style-type: none"> • All exercises and Examination Practice • Questions from past papers
Activities (if any)	None
Additional material, sources used	None
Scaffolding work (on a need basis) – Low Floor	Revisit Chapter 6
Challenging work (on a need basis) – High Ceiling	Jump to Chapters 10, 14: Linear and Quadratic Equations, Linear Inequalities
Common Challenges/ Errors/ Misconceptions (Teacher's notes)	