

Daily Lesson Plan

Class: ?	Date: ?	Teacher: ?
Title of Lesson Junior Mathematics - Counting and Permutations		
Objectives 1) Lesson to be engaging and fun! (Drawing on students own expert knowledge) 2) To allow students to relate complicated mathematical concepts to simple everyday “problems” 3) To illustrate to students that mathematics is fun and practical		
Description of Learning Activities Recap on previous lesson Discussion on clothing dilemmas to connect with students and grab attention Using relevant examples to maintain attention the following are the learning outcomes. <ul style="list-style-type: none"> ▶ List outcomes of an experiment using: <ul style="list-style-type: none"> ◦ Systematic listing ◦ Two-way tables ◦ Tree diagrams ▶ Apply fundamental principles of counting ▶ Count the arrangements of n distinct objects ($n!$) ▶ Count the number of ways of arranging r objects from n distinct objects Plenary: Students to review and reflect on the practical uses of Counting and Permutations	Assessment Methods (including differentiation) Informal – Discussion and feedback	Links to equality & diversity differentiation / link to assessment Equality and diversity: Material used will aim to include examples relevant to all – gender and culture Differentiated groups: Class will be delivered in a non biased/stereotypical fashion Link to assessment: This is a lesson geared towards covering the state curriculum. Peer assessment will take place in the class as well as informal assessment in the form of questioning and quiz. Students will be assigned homework and exercises to complete. We have used YouTube to supplement learning – some students have enjoyed this.
Stretch and Challenge and Extension Activities :		

Learning outside the classroom Due in :

Learning outside the classroom set for next lesson: