



# LESSON PLAN

Date:	Subject: Maths		Topic: BSKC		PoS Ref: AT1, AT4	Teacher:									
Sequence of session in scheme of work:	Focus of the session: Statistical analysis of lap data from British University Karting Championship														
Expectations (Learning Outcomes):  <table border="1" data-bbox="107 630 1469 1150"> <thead> <tr> <th data-bbox="107 630 394 683">Group Level</th> <th data-bbox="394 630 1158 683">Expectations</th> <th data-bbox="1158 630 1469 683">AT/Minimum</th> </tr> </thead> <tbody> <tr> <td data-bbox="107 683 394 927">All</td> <td data-bbox="394 683 1158 927">           Be able to calculate average lap speeds and average sector speeds from sector times and circuit maps            Be able to evaluate and suggest reasons for the differences in average speeds in different sectors            Represent competitors average lap times in graphical form            To explain if the fastest driver won         </td> <td data-bbox="1158 683 1469 927">           5 5 5 5         </td> </tr> <tr> <td data-bbox="107 927 394 1150">Most</td> <td data-bbox="394 927 1158 1150">           Suggest reasons for the different average lap times at different circuits on different days            Analyse the statistical difference between the fastest teams at each race         </td> <td data-bbox="1158 927 1469 1150">           6 6 6         </td> </tr> </tbody> </table>				Group Level	Expectations	AT/Minimum	All	Be able to calculate average lap speeds and average sector speeds from sector times and circuit maps Be able to evaluate and suggest reasons for the differences in average speeds in different sectors Represent competitors average lap times in graphical form To explain if the fastest driver won	5 5 5 5	Most	Suggest reasons for the different average lap times at different circuits on different days Analyse the statistical difference between the fastest teams at each race	6 6 6	Equipment/resources needed:  Scaled Kart track starter sheet String Lap analysis instruction/ completion sheet showing the lap and sector times from BUKC rounds Lap time data sheets Computer with spreadsheet		
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<b>Skills to be developed:</b> Data analysis, pattern identification				<b>Assessment:</b> Level of data handling and analysis achieved through completion of data analysis sheet											
<b>Differentiation:</b> By objective; worksheet				<b>Cross Curriculum Development (Literacy, Numeracy, Citizenship):</b> Numeracy functional skills											

