

### Highfields Scheme of Work Summary

<b>COURSE/SUBJECT TITLE:</b>	<i>Mathematics</i>	<b>EXAM / AWARD BODIES: (IF APPROPRIATE)</b>	<i>GCSE</i>
<b>KEY STAGE:</b>	4		<i>EDEXCEL</i>
<b>MAIN TEACHERS:</b>	<i>Tanya Prodromis, Julie Ahern</i>		

**SUMMARY OF LEARNING ACTIVITY TYPES:** (These should relate to Schemes of Work activities).

- |               |                                       |       |                      |
|---------------|---------------------------------------|-------|----------------------|
| Very Frequent | - Approximately every week            | Rare  | Less than occasional |
| Frequent      | - Approximately 1 - 2 times per month | Never | Never                |
| Occasional    | - Approximately 1 - 2 times per term  |       |                      |

	<u>Very Frequent</u>	<u>Frequent</u>	<u>Occasional</u>	<u>Rare</u>	<u>Never</u>		<u>Very Frequent</u>	<u>Frequent</u>	<u>Occasional</u>	<u>Rare</u>	<u>Never</u>
Teacher Talk	/					Art / Creative			/		
Discussion / Q & A	/					'Hands-On' Practicals			/		
Problem-Solving		/				Physical Challenge				/	
Research				/		Group-work		/			
Extended Reading				/		Role-play					/
Extended Writing				/		Offsite Visits					/
ICT Presentations	/					Other (please state)					

Video				/			
-------	--	--	--	---	--	--	--

### SUMMARY OF SUB-TOPICS / UNITS OF STUDY

Sub-Topic / Unit of Study Title	Typical Length of Time (Term / Half-Term / Weeks / Months)
<i>Integers, Powers and Roots</i>	<i>2-3 weeks</i>
<i>Sequences, Functions and Graphs</i>	<i>2-3 weeks</i>
<i>Lines, Angles and Shapes</i>	<i>2-3 weeks</i>
<i>Data - interpreting results</i>	<i>2-3 weeks</i>
<i>Construction and Loci</i>	<i>2-3 weeks</i>
<i>Calculations and accuracy</i>	<i>2-3 weeks</i>
<i>Transformations</i>	<i>2 weeks</i>
<i>Simplifying and Substitution</i>	<i>2 weeks</i>
<i>Ratio and Proportion</i>	<i>2 weeks</i>
<i>Pythagoras' Theorem and Trigonometry</i>	<i>2 weeks</i>

Forming and Solving Equations	2 weeks
Area and Perimeter	2 weeks
Probability	2 weeks
Volume and Surface Area	2-3 weeks
Fractions, Decimals and Percentages	2-3 weeks
Measures	2-3 weeks