

## MYP Mathematics Interim Objectives

Year 1 In order to reach the aims of mathematics, students should be able to:	Year 3 In order to reach the aims of mathematics, students should be able to:	Year 5 In order to reach the aims of mathematics, students should be able to:
<b>Criterion Objectives A: Knowing and understanding</b>		
<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations</li> <li>ii. apply the selected mathematics successfully when solving problems</li> <li>iii. solve problems correctly in a variety of contexts.</li> </ul>	<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations</li> <li>ii. apply the selected mathematics successfully when solving problems</li> <li>iii. solve problems correctly in a variety of contexts.</li> </ul>	<ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations</li> <li>ii. apply the selected mathematics successfully when solving problems</li> <li>iii. solve problems correctly in a variety of contexts.</li> </ul>
<b>Criterion Objectives B: Investigating patterns</b>		
<ul style="list-style-type: none"> <li>i. apply mathematical problem-solving techniques to recognize patterns</li> <li>ii. describe patterns as relationships or general rules consistent with correct findings</li> <li>iii. verify whether the pattern works for other examples.</li> </ul>	<ul style="list-style-type: none"> <li>i. select and apply mathematical problem-solving techniques to discover complex patterns</li> <li>ii. describe patterns as relationships and/or general rules consistent with findings</li> <li>iii. verify and justify relationships and/or general rules.</li> </ul>	<ul style="list-style-type: none"> <li>i. select and apply mathematical problem-solving techniques to discover complex patterns</li> <li>ii. describe patterns as general rules consistent with findings</li> <li>iii. prove, or verify and justify, general rules.</li> </ul>
<b>Criterion Objectives C: Communicating</b>		
<ul style="list-style-type: none"> <li>i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements</li> <li>ii. use different forms of mathematical representation to present information</li> <li>iii. communicate coherent mathematical lines of reasoning</li> <li>iv. organize information using a logical structure.</li> </ul>	<ul style="list-style-type: none"> <li>i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations</li> <li>ii. use appropriate forms of mathematical representation to present information</li> <li>iii. move between different forms of mathematical representation</li> <li>iv. communicate complete and coherent mathematical lines of reasoning</li> <li>v. organize information using a logical structure.</li> </ul>	<ul style="list-style-type: none"> <li>i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations</li> <li>ii. use appropriate forms of mathematical representation to present information</li> <li>iii. move between different forms of mathematical representation</li> <li>iv. communicate complete, coherent and concise mathematical lines of reasoning</li> <li>v. organize information using a logical structure.</li> </ul>
<b>Criterion Objectives D: Applying mathematics in real-life contexts</b>		
<ul style="list-style-type: none"> <li>i. identify relevant elements of authentic real-life situations</li> <li>ii. select appropriate mathematical strategies when solving authentic real-life situations</li> <li>iii. apply the selected mathematical strategies successfully to reach a solution</li> <li>iv. explain the degree of accuracy of a solution</li> <li>v. describe whether a solution makes sense in the context of the authentic real-life situation.</li> </ul>	<ul style="list-style-type: none"> <li>i. identify relevant elements of authentic real-life situations</li> <li>ii. select appropriate mathematical strategies when solving authentic real-life situations</li> <li>iii. apply the selected mathematical strategies successfully to reach a solution</li> <li>iv. explain the degree of accuracy of a solution</li> <li>v. explain whether a solution makes sense in the context of the authentic real-life situation.</li> </ul>	<ul style="list-style-type: none"> <li>i. identify relevant elements of authentic real-life situations</li> <li>ii. select appropriate mathematical strategies when solving authentic real-life situations</li> <li>iii. apply the selected mathematical strategies successfully to reach a solution</li> <li>iv. justify the degree of accuracy of a solution</li> <li>v. justify whether a solution makes sense in the context of the authentic real-life situation.</li> </ul>