



Course	Mathematics Applications and Interpretation, Standard Level
Teacher	Abigail Lee
Office Hours	After school Thursday 4:30-5:00 or by appointment.
Course Description	<p>This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics.</p> <p>The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: Application and Interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.</p>

International Baccalaureate Diploma Programme
 Luther Burbank High School
 Mathematics: Applications and Interpretation SL
INSTRUCTOR: Abigail Lee
alee2@saisd.net



Course Topics:	<p>Topic 1: Number and Algebra</p> <p>Topic 2: Functions</p> <p>Topic 3: Geometry and Trigonometry</p> <p>Topic 4: Statistics and Probability</p> <p>Topic 5: Calculus</p>						
Course Assessment(s):	<p>Internal Assessment (20%)</p> <p>External Assessment (80%)</p> <p style="padding-left: 40px;">Paper 1 – 1.5 hours (40%)</p> <p style="padding-left: 40px;">Paper 2 – 1.5 hours (40%)</p>						
Grading Criteria:	<p>Each student will be assessed individually. The assessment will be carried out through a variety of methods including online activities, written assignments, projects, course notebook, quizzes, and exams.</p> <table style="margin-left: 100px;"> <tr> <td style="padding-right: 20px;">Period Grade:</td> <td>Daily Assignments and Assessments</td> </tr> <tr> <td style="padding-right: 20px;">Semester Grade</td> <td>85% Combined Period Grades</td> </tr> <tr> <td></td> <td>15% Semester Exam</td> </tr> </table>	Period Grade:	Daily Assignments and Assessments	Semester Grade	85% Combined Period Grades		15% Semester Exam
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