

## ADVANCED TOPICS IN MATHEMATICS CURRICULUM SUMMARY

*The purpose of the curriculum summary is to present an overview of the curriculum. Parents, community, and teachers of other disciplines are the intended audience of the curriculum summary.*

Discrete Mathematics	Linear Algebra
<ul style="list-style-type: none"><li>• Number Theory</li><li>• Graph Theory</li><li>• Applications</li></ul>	<ul style="list-style-type: none"><li>• Vectors</li><li>• Matrices</li><li>• Applications</li></ul>
Abstract Algebra	Statistics and Probability
<ul style="list-style-type: none"><li>• Sets</li><li>• Relations</li><li>• Graphs</li><li>• Groups</li></ul>	<ul style="list-style-type: none"><li>• Distributions</li><li>• Confidence Intervals</li><li>• Tests of Significance</li></ul>