

## Math Pathways at Great River School.

Our goal is to work with each student from where they are in their mathematical journey and help them move towards mastery. All three endpoints qualify a student for the IB Diploma and are excellent preparation for further math study in college.

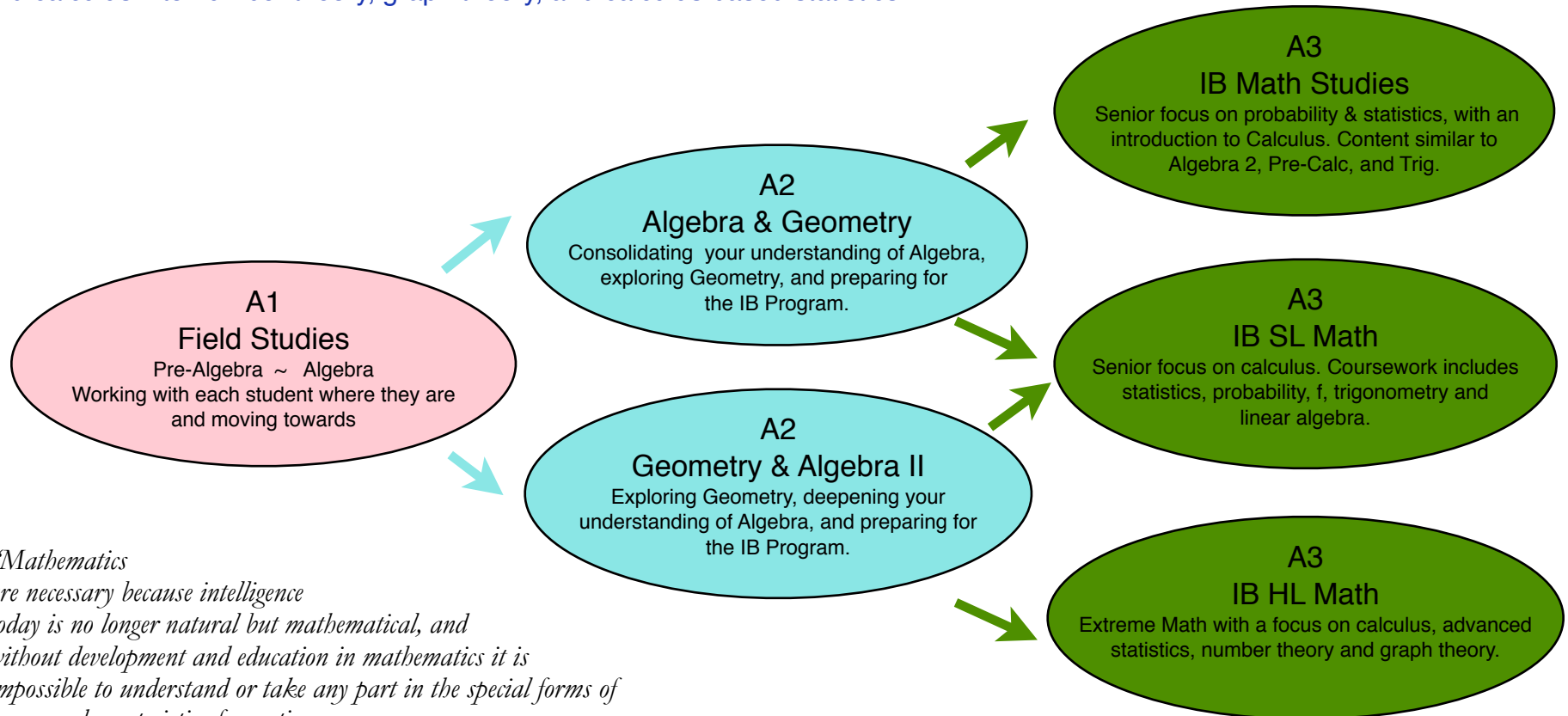
One advantage of a small school is our ability to personalize the classroom experience. Students have ample opportunity to seek out help beyond the classroom setting.

In the **A1**, students will have worked with many of the concepts of Algebra. Students work through a two year integrated science and math curriculum. Most students will have finished the equivalent of Algebra 1 by the end of 8th grade.

In the **A2**, students will work towards deepening their understanding of Algebra and the foundations of Geometry.

In the **A3**, students start in a Junior Year IB Math Course. From there, they will choose from either IB Mathematics Studies or IB Math SL to complete their math education at GRS.

A small number of advanced students will chose to work towards Mathematics HL, which goes beyond calculus into number theory, graph theory, and calculus based statistics.



*“Mathematics are necessary because intelligence today is no longer natural but mathematical, and without development and education in mathematics it is impossible to understand or take any part in the special forms of progress characteristic of our times.*

*A person without mathematical training today is like an illiterate in the times when everything depended on literary culture.*

*~ Dr. Maria Montessori*

*From Childhood to Adolescence*