

# MATH

Bering Strait School District adheres to the Alaska Math Standards adopted by the state of Alaska in 2012. Teaching candidates should note that while Alaska didn't adopt the Common Core State Standards, the AMS are roughly 90% aligned to CCSS.

The standards for mathematics stress both conceptual understanding and procedural skills to ensure students learn and can apply the critical information needed to succeed at each level.

- In kindergarten, the standards follow successful international models and recommendations by focusing kindergarten work on the number core: learning how numbers correspond to quantities, and learning how to put numbers together and take them apart (the beginnings of addition and subtraction).
- The K-5 standards provide students with a solid foundation in whole numbers, addition, subtraction, multiplication, division, fractions and decimals--which help young students build the foundation to successfully apply more demanding math concepts and procedures and move into applications.
- Having built a strong foundation in K-5, students can do hands-on learning in geometry, algebra and probability and statistics. Students who have completed 7th grade and mastered the content and skills through the 7th grade will be well-prepared for algebra in grade 8. The middle school standards are robust and provide a coherent and rich preparation for high school mathematics.
- The high school standards set a rigorous definition of readiness by helping students develop a depth of understanding and ability to apply mathematics to novel situations, as college students and employees regularly do.

Bering Strait School District adopted Eureka Math and Big Ideas Learning as the primary instructional materials for math instruction beginning in August of 2015. Eureka Math will be used with Pre-K through 5<sup>th</sup> grade students. The Big Ideas Math Learning materials will be used for grades 6-12. The programs were selected because they are closely aligned to the Alaska Math Standards and provide a balance of conceptual understanding, procedural skill and fluency, and application.

Bering Strait School District strongly believes in providing opportunities for professional development. Opportunities are provided by VTC, through POD trainings, district in-services in August and October, and through site visits by the district math facilitator. In addition, each of our 15 school sites has a site based math liaison to assist with math training and to provide additional support.