

## **Alexandria Township's Math Curriculum Philosophy Statement**

**The vision for math in Alexandria Township is** for students to experience lifelong success by applying their understanding of math as a dynamic, coherent, and interconnected set of real world concepts.

**To achieve this vision, the curriculum in math must** focus on providing a broad range of developmentally appropriate mathematical tasks. The curriculum will expose all students to mathematical scenarios linked to life experiences that develop their creativity, critical thinking, reasoning, and problem solving skills. Students will build upon their prior mathematical knowledge to make logical connections to new concepts and procedures taught at each grade level. Learners will use developmentally appropriate tools to manipulate and experiment with mathematical concepts needed to solve practical problems.

**We will know we have achieved this vision for the curriculum in math when** students can communicate, justify, and apply their knowledge and understanding of mathematical concepts accurately as demonstrated with verbal, visual, and written assessments.