



Pre-K - Grade 12 ASD Mathematics Mission

ASD math students will develop skills and strategies to solve real and pressing problems so they can use mathematics in their lives. They will understand and appreciate the mathematics they are studying; they will read it, write it, explore it, and communicate it with confidence.

ASD Mathematics Vision

ASD is a vibrant learning community...
where Math learning is fun
where Math learning is analytical
where Math learning is contextual
where Math learning is meaningful
where Math learning is challenging
where Math learning is investigative
where Math learning is collaborative
where Math learning is technology infused...

Essential Agreements for Mathematics

Teachers will provide opportunities in a safe learning environment to encourage exploration and risk-taking to acquire mathematical concepts.

Teachers will use contextual problems to guide instruction and provide learning opportunities for students to make mathematical meaning.

Teachers will use challenging problems to develop critical thinking skills and perseverance.

When appropriate, technology will be used to support mathematical understanding and to solve problems.

Teachers will expose students to multiple strategies and representations and will teach students to select the most effective and/or efficient ones.

Teachers will use multiple representations to teach concepts and communicate solutions.

Teachers will value process as well as the accurate final answer when assessing student work. Teachers will anticipate and correct common misconceptions.

Teachers will have students perform error analyses to help them reflect on their performance and improve their understanding. Teachers will use correct mathematical terminology.