



Pre-K - Grade 12 ASD Science Mission

ASD science students will be empowered through collaborative inquiry to become growth-minded, innovative thinkers. They will discover meaning in science through authentic investigations using scientific literacy. They will be nurtured to become positive life-long contributors in a global society.

ASD Science Vision

ASD is a vibrant learning community...

Where Science learning is engaging

Where Science learning is analytical

Where Science learning is authentic

Where Science learning is exploratory

Where Science learning is collaborative

Where Science learning is infused with technology

Where Science learning is hands on and stimulates curiosity

Essential Agreements for Science

Teachers will teach and assess NGSS, IB, or AP Standards using a variety of assessment practices.

Teachers will provide safe and collaborative learning experiences that are supportive of all students.

Teachers will use an inquiry-based approach to learning to construct scientific meaning in authentic situations.

Teachers will integrate technology to support scientific understanding and to solve problems.

Teachers will emphasize the inquiry process as well as encourage students to support their understandings with evidence

Teachers will use formative assessments to anticipate misconceptions and correct them through feedback.

Teachers will create a culture of reflection to support growth-mindedness.

Teachers will analyze student data and collaborate with colleagues to guide instruction.

Teachers will continuously review and improve curriculum based on current scientific knowledge.

Teachers will communicate with parents regarding student learning.

Teachers will differentiate for student needs through multiple practices and approaches.