

Science Speech Olympiad



Science Gurus
in Association with
Telugu Association of North America



Senior Team Topics

Round 1 –Individual

Physics	Chemistry	Biology	Mathematics
<p>Let's surf some Waves Types of waves, properties, propagation</p>	<p>Elementary, My Dear Watson Elements— properties, trend</p>	<p>Forgot Something? Alzheimer's-physiopathology, treatment</p>	<p>Pros and Conics Types of conics, relationships</p>
<p>Electricity—past to Current Electron flow, circuits, analog-digital</p>	<p>Guess the shape in 3D Shape of molecules—VSEPR</p>	<p>Enzymes Anyone? Enzymes in biological processes,</p>	<p>Why So Series-ous? Arithmetic, Geometric Trigonometric series</p>
<p>Motion—Going in Circles Kinematics— Linear vs circular</p>	<p>Is the Reaction happening? Rate laws, Chemical kinetics, equilibrium</p>	<p>Are changes good? Genetic mutation, its relevance in cancer</p>	<p>Let's take a Chance! Probability, Independence, joint</p>

Round 2—Team

Seminar encompassing Physics, Chemistry, Biology, Math

Classical to Quantum—Proof, Relevance, Applications in biology, formulas/equations

Compare and contrast classical and quantum worlds with history, and examples. Provide experimental evidence for theoretical models; mathematical formulas that form the basis for the theories; Applications in biological world.