



Middle to High School Science

By Roberto Vidal
12/16/2020

A Little Bit About Me

2



- ▶ Name: Roberto Vidal
- ▶ Education
 - ▶ Columbia University in the City of New York:
 - ▶ BS: Mining Engineering & Applied Geophysics
 - ▶ MS: Metallurgical Engineering & Applied Chemistry
 - ▶ MPh: Chemical Engineering
 - ▶ PhD: Chemical Engineering
 - ▶ Six Sigma Black Belt
- ▶ Work Experience
 - ▶ Industrial: 25+ years of technical experience in semiconductor, solar, and healthcare industries. Employers: IBM, Xerox, Intel, SolarWorld, Tyco Electronics
 - ▶ Education:
 - ▶ Sunshine: Teaching Enrichments Courses since 2017
 - ▶ Tutoring/Teaching: 20+ Years for Middle/High School Students and Professionals.

Courses Taught at Sunshine Elite Education

3



- ▶ Math: Pre Algebra, Algebra I, Geometry, Algebra II, Pre Calculus, Calculus AB
- ▶ Science: Physics (MS and Honors), Chemistry (MS and Honors), Biology (MS)
- ▶ College Entrance:
 - ▶ PSAT : Math
 - ▶ SAT : Math, Math Level 1 and Math Level 2

Teaching Approach



- ▶ Philosophy:

Every Student is a critical thinker. I will support their academic growth by providing content that meets their learning styles. First Depth, then Breadth.

- ▶ Approach: Collaborative.

- ▶ I provide content based academic standards, professional experience, class feedback and available resources.
- ▶ Each student provides active participation.

- ▶ Resources:

- ▶ Course Textbook, Simulations, Videos, Desmos.com, Worksheets

Differentiators Relative to Traditional Schools

5



- ▶ Course Integration
 - ▶ Within Course
 - ▶ Content: Structured path followed to allow students to understand where today's material fits in context with previous lessons.
 - ▶ Resources: multiple resources are blended to address multiple learning styles and reinforce key concepts.
 - ▶ Between Courses:
 - ▶ Math and Science Connections are clearly established with content analogies and real-life applications.
- ▶ Flexibility/Customization
 - ▶ Sunshine Elite Education is in a unique position to synchronize material to the students needs: current academic load (ex: virtual schedules), prioritize depth of content, and use examples relevant to students.

Contact Information

- ▶ Class Pages (various)
- ▶ Email: roberto.vidal@sunshineeliteeducation.com