

RyeNeck Schools

LEARN • ACHIEVE • LEAD

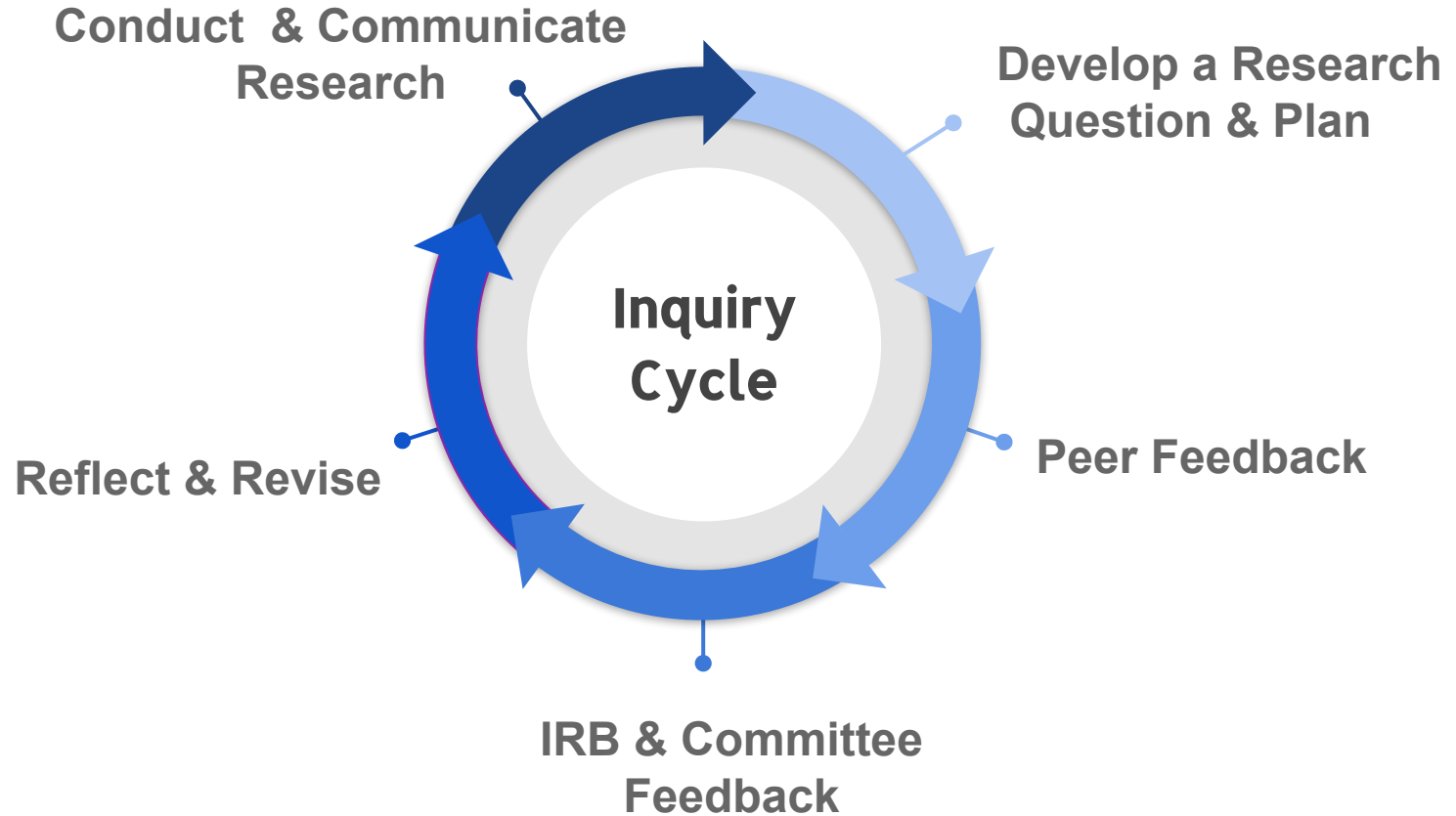
Inquiry & Research

K-12 Inquiry Perspective

The 6Cs: Deeper Learning

Student, Society Well-Being





Middle School



High School

Classroom

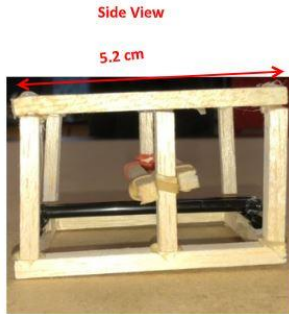
- Regents & Advanced Placement Science Courses
- Electives (Engineering, Robotics, Game Design)

Special Research Programs

- Action Research for Community Change
- Independent Learner Program
- Tools for Change
- Science Research

Inquiry & Research In the Classroom

How can we ship fragile items in a safe and efficient fashion?



Writing
Engineering
Collaboration
PBL Research
Application
Hands on
Authentic
Inquiry
Relevance
Revision
Reflection

What factors will increase protist populations?



Action Research for Community Change

Community Resource Center

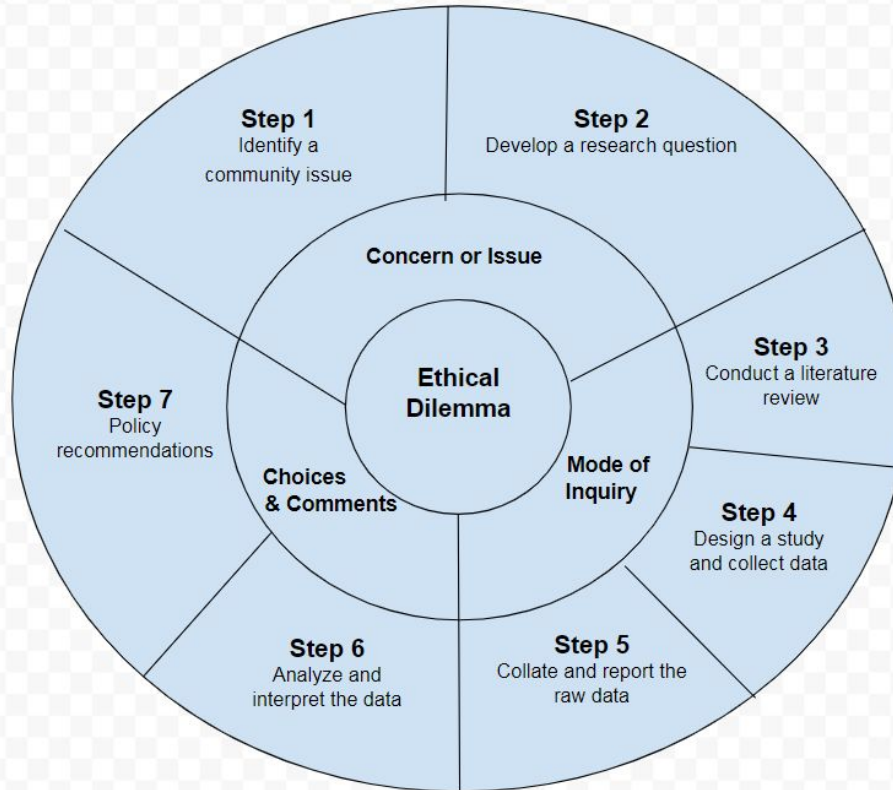
Town of Mamaroneck

Westchester Joint Water Works

Tools for Change

The Kenan Institute for Ethics at Duke University

Dr. William Tobin, Sociology



Independent Learner Program (ILP)

Poverty and Healthcare

Sports Psychology

Sleep Deprivation in Teens

Civil Rights and the Music of Activism

Teaching and Curriculum

The Emerging Role of Influencers on Social Media

Hub and Spoke Models for Airports

Finding Faith (podcast)

Humanitarian Aid

Marketing

Behavioral Neuroscience

Science Research

Effect of temperature on Rubisco activity and flowering time

Effect of bitter substances on asthma control

Students' perceptions and knowledge of concussions and their severity

Effect of social media on teens' perceptions of self worth and depression

Effect of time and implantation of false memories on eyewitness testimonies

Effect of anti-anxiety nootropics on social facilitation

Effect of valproic acid on memory and social isolation

Assessing & Improving Beaver Creek Swamp



Working in Collaboration with Save the Sound

Communicating with Scientists in the Field



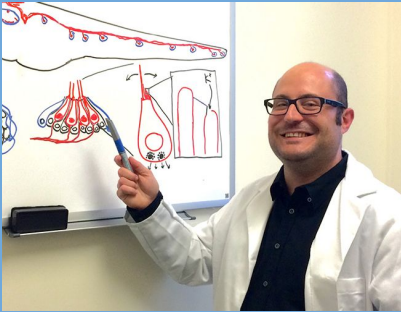
Dr. Clint Springer, PhD
Saint Joseph's University, Philadelphia
Environmental Science & Sustainability

Dr. Elizabete Carmo-Silva
Lancaster University, England
Lancaster Environment Center



Collaborations with Research Institutions

Dr. Aaron Steiner
Pace University
Medicine
Biology



The effect of Alkaline phosphatase expression on hair cell regeneration in zebrafish?

Marisa Santoli
Class of 2018

Dr. Bin Zhou
Albert Einstein College
of Medicine
Department of Genetics



Cardiac Development of Mice Lacking the Crk and CrkL Genes

Rebecca Super
Class of 2019

Dr. Aurelian Radu
Mt. Sinai
Regenerative &
Developmental Biology

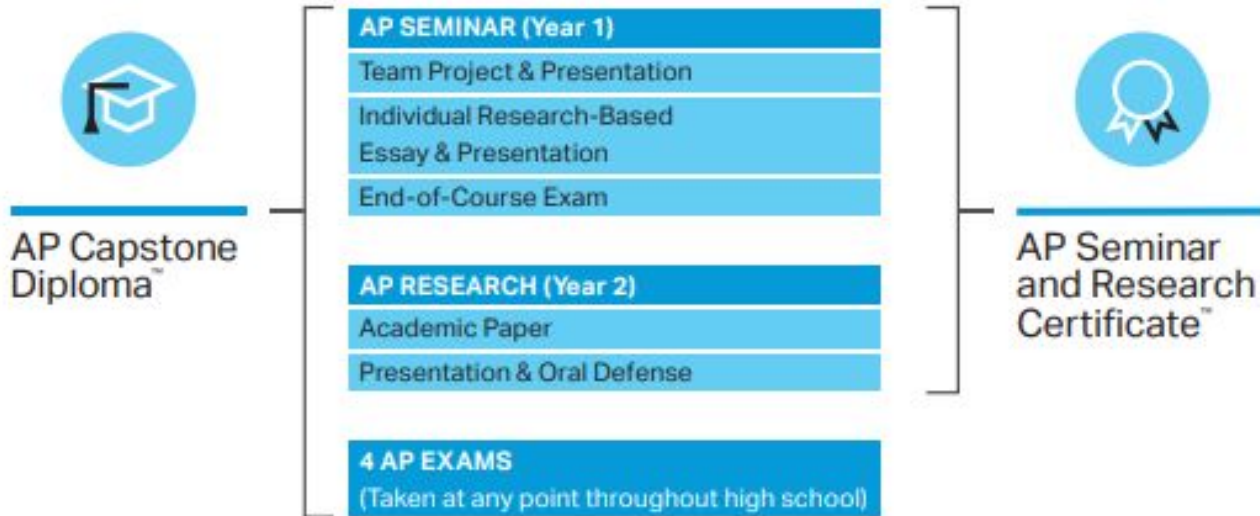


The Effect of Anti-FSHR Antibody Conjugation to Gold Nanoparticles on Receptor-Mediated Endocytosis in FSHR-Expressing Fibroblast Cells

Olivia Dunne
Class of 2018



New Student Opportunities



Looking Ahead

