

Molloy College TGI 2018

**Teaching Sustainability in the Middle School Classroom: TGI 2018**

Faculty: Paul Zaratini

June 25-28, 2018; 8 a.m. – 4:30 p.m.

Suffolk Center Campus

The purpose of this course is to construct, implement, and share various Environmental Science laboratory activities, while focusing on sustainability. Activities are based on the New York State Science standards. Students explore the impact of society on the environment through various activities. These activities are student centered, and created so the students can analyze and evaluate environmental problems in order to formulate possible preventative measures or solutions. Participants will depart with various activities/ labs created during this session.

**Date/Topics:**

Monday, June 25:

Solar power- design, build, and test solar powered cars/ boats.

Solar power- design, build, and test hot water heaters.

Tuesday, June 26:

Wind power- design, build, and test your own wind turbine.

Wind power- build and test your own kite.

Renewable energy field trip to the Town of Hempstead energy park.

Wednesday, June 27

Recycling- product package investigation to determine how much of consumer packaging is actually recyclable.

Holy mega-watt lesson measuring how much electricity you use in one day.

Thursday, June 28

Lunch at the Dump field trip to the Norman J. Levy Park in Merrick to learn about waste management/ land use.

Organic/ sustainable farming field trip to Crossroads Organic Farm in Malverne.