

**Conwell-Egan Catholic High School
611 Wistar Road**

Fairless Hills, PA 19030

EAST Monthly

Editor: Kristen Manto

St. Ephrem EAST Seminar

Students Teach Local Seventh Grade Students Google Sketch-Up

"Start by doing what is necessary, then do what is possible, and suddenly you are doing the impossible."

- St. Francis of Assisi

On Friday, December 2nd, EAST students Kristen Manto, junior, and Erica Forktus, sophomore, travelled to St. Ephrem Grade School in local Bensalem. The students taught Mrs. Brousseau's seventh grade computer technology classes the architectural design program Google Sketch-Up.

To begin the seminar, Kristen and Erica encouraged the seventh grade students to brainstorm the significance of architecture in today's society. The EAST students then showed the classes basic tools in Sketch-Up, including the push/pull, rotate, and orbit functions. St. Ephrem students also learned how to maneuver 3D Warehouse—a program feature that allows users to import three-dimensional models directly from the Internet that have been designed and uploaded by fellow Sketch-Up manipulators.

For the duration of the seminar, Kristen and Erica demonstrated how to begin a house in Sketch-Up, including how to create a basic foundation and design a roof. The seventh grade students then began work on designing the exteriors of their houses, applying the basic knowledge that EAST students had provided for them. St. Ephrem students learned the core dogma of EAST—learning happens through self-initiative and discovery.

EAST students are continually looking for new opportunities to share the wealth and passions of their studies. If you are interested in inviting students like Kristen and Erica to hold a seminar at

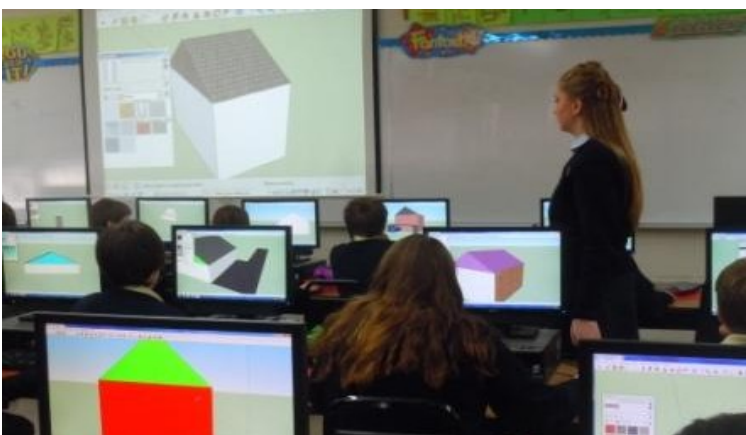
your school, please contact kmanto@comcast.net.

Bottom: Kristen Manto (left) and Erica Forktus discuss the importance of architectural design. Below: Kristen and Erica are pictured with St. Ephrem seventh graders.



"A classroom has four walls and a tomorrow inside."

- Connelly Foundation



ABOVE: Junior Kristen Manto instructs St. Ephrem seventh grade students how to design a three-dimensional roof in architectural program Google Sketch-Up.

"We proudly support innovative and independent teamwork which nurtures tomorrow's leaders in science and engineering."

- Dan and Alice Abramowicz

Coming Up... ...In Future Issues

EAST Field Day

Standby for an in-depth look at the ideas EAST students propose for the EAST spring field day for mentally and physically challenged children. Also, get a preview of the models students generate for the event.

EAST Outreach

Read as EAST students travel to local grade schools to instruct young students.

2nd Quarter Cumulative Project

First-Year Students Design their Kitchens and Dining Rooms in 3-D

Last quarter, first-year EAST students designed the exteriors of their houses in three-dimensional architectural program Google-SketchUp. This quarter, students are working on recreating the interiors of their homes, more specifically, their kitchens and dining rooms.

Students first took various photographs of different views of their kitchens and dining rooms. Using these pictures as guides, first-year students created floor plans of the two rooms in two-dimensional VersaCAD. Their floor plans included everything they would design later in three-dimensional software—including their kitchen tables, dining room chairs,

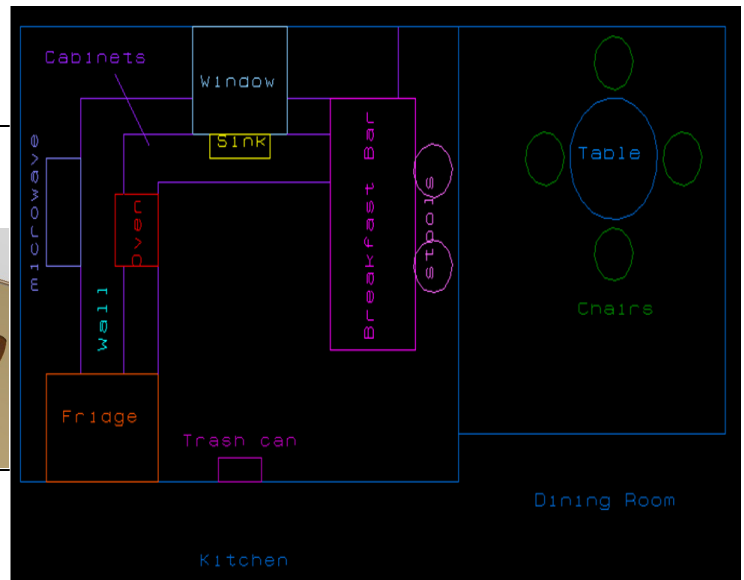
and other features of their houses. Students then utilized the three-dimensional design software ArchiCAD to represent their kitchens and dining rooms, using their VersaCAD models as guides.

After doing so, students will compose comprehensive PowerPoint presentations that illustrate both their ArchiCAD and Versa-

CAD models. The presentations will include the actual photographic views of their houses' rooms in comparison with the designs of their two-dimensional and three-dimensional figures. The presentations will be fully automated and

narrated. Like previous EAST students, rookies may elect to design the remainder of the interiors of their houses after completing this project.

BELOW An EAST student designs his dining room in three-dimensional ArchiCAD.



RIGHT A first-year EAST student represents his kitchen and adjacent dining room using the two-dimensional architectural program VersaCAD.

Independent Happenings in EAST

For veteran EAST students, those who have been involved in EAST for over a year, the heart of the EAST Initiative is using their own talents and interests to design something brilliant. In other words, students convert their burning passions into inspiration that fuels relevant projects to benefit the community.



Junior Mary Henry will collaborate on a project this quarter to create a Disney Princess that appeals to young girls who have cancer. Mary will design the princess in the Pixar program Soft-image. The character will represent the various colors of cancer and help girls with sickness to feel beautiful and self-confident every day.

Sophomore EAST student Cynthia Mastropietro will work on a project partnered with local Holy Family Regional Grade School. Cynthia wishes to improve the school's lunch program so that students can have healthier and more wholesome options during lunch. Cynthia will map out the school cafeteria in VersaCAD and ArchiCAD and create an informative presentation for Holy Family's administration.

Questions/Comments? contact me at kmanto@comcast.net

CALENDAR OF EVENTS

December, 2011:

- 23 Christmas Liturgy
Christmas Vacation Begins at 10:30 a.m. Dismissal

January, 2012:

- 3 Classes Resume
- 13-15 Kairos Retreat
- 16 Martin Luther King Holiday
School Closed
- 19 No classes
Universal Visitation Day
- 21 8:30 a.m. Neumann
Scholarship Test
- 29 Beginning of Catholic Schools Week
- 31 Catholic Schools Week
Liturgy

February, 2012:

- 8 2nd Quarter and First Semester Ends
- 9 3rd Quarter and Second Semester Begins
PA Free Enterprise Assembly