

## Posters – Kindlon Hall Atrium Area

Note: Posters will be on display from 12 – 5:30 with students “on station” at the times indicated below.

1. 12 – 1:30, Emily Miofsky (Dr. Phil Novack-Gottshall)

Abstract: An application of David Raup’s shell parameters with David Schindel’s changes (1990) to Paleozoic snails in the family Euomphalidae to determine what part of the gastropod morphospace they occupy. Results showed that the Euomphalids occupy an otherwise unoccupied space, leading insight into the morphological constraints surrounding open-coiling shells.

2. 12 – 1:30, Stephanie Samuel (Dr Cheryl Heinz)

Abstract: The tobacco hornworm, *Manduca sexta*, is a known pest to many agricultural areas. They are able to completely strip an entire tomato plant with ease, and then continue on to eat more. Therefore it is important to know if the *M. sexta* have a preference to what type of leaf it may digest according to the fertilizer used. In the tests given, the first instar of *M. sexta* are observed to see if there is a specific preference to the type of leaf it may eat.

3. 12 – 1:30, Antonio Gonzalez [with GEOG 106 class mates John Alessi, Tara Bodinet, Jeffrey Freitag, Justin Kunz, Charles Kurt, Adil Saeed, Faizan Tai] (Dr Jon Lewis)

Abstract: Contour maps can be used to generate digital elevation models (DEMs) through use of the Excel program. A grid is super-imposed on the map and elevations for the intersecting lines determined. Once that data is entered into a spreadsheet, Excel has a tool that renders that information into a 3 dimensional surface. In the example here, 8 students enrolled in the GEOG106 Geography and Cartography course identified the elevation of over 900 points along contour lines depicting Mount Kilimanjaro. The resulting surface compares favorably with that generated by Google Earth in its 3 dimensional rendering of that same area.

4. 1:30 – 3, Adam Beans (Mr Eric Goodwin)

Abstract: My poster will contain information regarding the Arthur J Schmitt Foundation. I will include information about the foundation, both general and personal.

5. 1:30 – 3, Fatima Ansari (Mr Eric Goodwin)

Abstract: There are many students and staff at Benedictine who do not have access to basic medical care due to the lack of health and dental insurance. It is sad but true that despite working hard day and night, many people on our campus cannot afford basic medical checkups; therefore it is our responsibility as citizens and future professionals to help our fellow citizens and community members by increasing their knowledge of local resources that are available to them. Therefore, I am in the process of organizing a health fair event on campus, so that we can provide available services to them.

6. 1:30 – 3, Heriberto Diaz (Mr Eric Goodwin)

Abstract: My presentation will be composed of the volunteer work project I did for the Arthur J. Schmitt Future Leaders of America Scholarship. My presentation is composed on a description of volunteer experience in a food bank in which I took students in an effort to show them the impact they can make in others life’s through volunteer work. I have a 3 minute interview on two students that I worked with. I also have a summary of a clothing drive I did in the community. The clothing collected was donated to a church which provides food and clothes for the homeless and I will be speaking about my experience.

7. 3 – 4:30, Maria Torres and Lola Coladilla (Dr Ethel Ragland)

Abstract: This study will explore how being admitted to hospice care affects the life outlook of terminally ill patients. Research design is phenomenologic qualitative. Increased awareness and recognition of the unique worldview of terminally ill patients can assist the nurse to pave the way for a smoother transition into hospice care and increase end of life satisfaction.

8. 3 – 4:30, Alexis Wadowski (Mr Eric Goodwin)

Abstract: The poster will be covering our service learning projects including how we did our projects and how we measured the success of it. Our project consisted of a cross-campus and cross-community food drive which raised nearly 4,000 food items.

9. 3 – 4:30, Katherine Ebeling (Mr Eric Goodwin)

Abstract: I am presenting a poster summarizing my Arthur J. Schmitt After School Volunteer Project. My experience with the children in Extended Day stretched my leadership skills because I learned how to balance my time helping the 30 students in the program. I saw how important it was to ensure that the students who needed help with their homework were taken care of and still made time to supervise the children who were playing in the gym. One of the highlights was when the students wrote Christmas letters to the prisoners. I overcame obstacles of finding spaces for the children to work and play when there were other school activities that occupied rooms in the school. It was a great learning experience that will help me when I become a teacher.

10. 3 – 4:30, Sweatha Jeevan (Dr Cheryl Heinz)

Abstract: The tobacco hornworm (*Manduca sexta*) is a common pest among farmers and yearly it causes farmers deficit for crop that they are able to grow in the Illinois area. Tests were performed to know whether the different components and amounts of fertilizer affect the growth rate of this species. The fifth instar performance test was performed by choosing caterpillars at their fifth instar stage and feeding a specific treatment of tomato plants (*Solanum lycopersicon*) until the larvae pupated. Five caterpillars have been tested in each treatment to date.

11. 3 – 4:30 , Bilaal Hassan (Dr Cheryl Heinz)

Abstract: Although it is native species, *Manduca sexta* poses a serious threat to the agricultural industry. *M. sexta* primarily feed on plants in the *Solanaceae* family. Agriculturally speaking this makes them a very costly pest for both tomato and tobacco farmers. Due to explosive nature of their growth, they are also quite difficult to manage. Our study attempts to discover if *M. sexta* may possibly be controlled indirectly by the type of fertilizer treatment used in plants. Others in our group are working on a series of experiments to test the effects of these plant treatments on caterpillar performance and preference. The focus of this presentation is on the ovi-position preference test. The objective of this test was to determine if the plants with different fertilizer levels influenced where the adult moths would lay their eggs.

12. 4:30 – 5:30 , Megan Steiner (Mr Eric Goodwin)

Abstract: My poster is going to represent the project that I have been working on for the Arthur J. Schmitt Leadership Award. My task was to complete a project that benefits the community of Benedictine. I have started plans for creating an organization called “Everybody Love Everybody” in which bullying awareness and prevention is the focus for mainly education and psychology majors, but can include any Benedictine student who is interested.

13. 4:30 – 5:30 , Alena Thomas (Mr Eric Goodwin)

Abstract: Through the principles of servant leadership, I performed a service project that was centered on empowering young children by teaching them oral hygiene. By educating young children, we can improve their overall health and allow them to live healthier lifestyles during adulthood.