Skyline’s GrowSphere

The “GrowSphere” is a spherical dome allowing the occupant to feel immersed in nature. Students were able to experience a project from inception to completion. Creativity, innovation, and real-time problem solving were experienced in full by the participants.

Students used the following equipment/programs during the building and design process:
- AutoCAD
- VCarve Design Program
- Shopbot CNC Machine
- Various Power Tools
- Various Hand Tools

Students experienced/gained the following skills:
- Teamwork
- Practical Application
- Ingenuity
- Confidence

Skyline Building Envelope Audit

The integrity of a building’s envelope is vital to the efficiency of building systems. Building envelopes are the “skin” that separates the inside temperature/climate and the outside temperature/climate. Buildings that are older than 20 years and/or have had renovations are key candidates. In order to increase energy efficiency, building lifespan, and building systems lifespan a Building Envelope Audit of Skyline College was conducted.

Building envelopes include:
- Roof/Slab/Walls
- Windows
- Doors
- Exhaust Pipes/Vents
- Lighting/Plumbing Fixtures

Sustainability Blitz

Sustainable thinking is vital to sustain and repair our environment. The Sustainability Blitz is a program designed to support colleges and universities partnered with Climate Corps in integrating sustainability throughout the curriculum of their various academic departments. Pairs of Fellows partner with faculty to co-design and facilitate a lesson including a lecture and an instructional activity, a lab activity, or a project that relates sustainability to the topic of the course being “Blitzed”. These lesson plans can be easily adapted by faculty for future terms and adopted by faculty/staff at other campuses.

Sustainability Blitz

Fellow

Photo

Joshua Bonneson

Joshua graduated from Stockton University in Galloway, NJ with a BS in Sustainability, his concentration: energy. He considers himself a craftsman and enjoys fabrication and prototyping. Joshua strives to promote sustainability through systems thinking and practical application.

Acknowledgements:
Joshua works with his site supervisor at Skyline College, Dr. Carina Anttila-Suarez, and with SMCCD affiliates.