

SMACS Aquaponics

One of our goals for the Farm to School grant was to acquire a new aquaponics system to produce goods for our cafeteria. This goal was achieved in June of 2021 and production has started with lettuce heads. While the whole grow bed has not been fully utilized, this is a milestone for SMACS. The new system is a raft base system designed to grow produce with cycled water from the fish tank with air stones under water to provide oxygen for the roots of the plant. Compared to our old system, a raft system is a bit difficult to manage, but our students can learn about the process. The students will learn about rock wool, the importance of oxygen for plant roots, a bit about the periodic table, and general maintenance of the new system. We hope to utilize the entire system soon for full production.

