

Sand Creek Intermediate School Light My Class with Solar Energy by: Jennifer Suskovich

Focus Question: How can an inexpensive solar panel system be built, that has a fixed position design for each season and a movable tracking solar panel system that allows the ability to manually track the movement of the sun during the day? This design will then be used to determine whether a fixed position solar panel system or the moveable tracking solar panel system collects the most solar energy during the day.

Students have designed and built a solar tracking panel stand based on the solar angles experienced seasonally in Indiana. We have collected data over the last 7 months on the fixed panel system. We currently have one completed panel stand and are currently completing the construction of the four moveable systems to compare data.