

# **Introducing Internationalism in Classroom to Enhance Organic Crop Yield Through Agricultural Technological Advancement**

## **by Ms. Padmavati Banda, S.B. Patil Public School**

### **Introduction**

Classroom activities to show the interconnectedness, integration and mutual reinforcement of SDG 16 and 17 with SDG 4 for global prosperity, peace and a healthier planet.

### **Purpose**

The purpose of this project is to understand what factors contribute to higher yield of organic crop production per area of land. The paper analyzes the factors that contribute to such greater yield of organic crop production in other countries in comparison to India with special emphasis on modern farming and use of technology. The paper further investigates how India being an agrarian country can invest in technology and research to increase organic crop yield.

Integrated lesson plans of five weeks for Grade VIII was executed including science, social science, math, English and art in a form of three learning pathways (know, think and act). During these activities students were engaged in a process of inquiry through dialogue, discussion, field visit, interview with local farmers, collaboration, research activities based on various farming methods and technology, sharing and establishing concrete

realizations of the sustainability of organic crop production that impacts the climate change and healthy life to the society.

With lots of well-planned and engaging activities students are going to explore how sustainable yet simple strategies can increase the organic crop production in small holding of land with an application of systematic modern methods and thereby combating climate change.

### **Unconventional and ingenious ideas**

1. **4C model of whole school approach:** In my proposed presentation, I will discuss cohesive and collaborative actions undertaken by a school community that is being strategically and continually constructed to increase organic crop production with minimum use of fertilizers and pesticides.
2. **Global to local and local to global (GLOCAL):** I will share how our students conducted data analysis of crop production in India vs other countries in the world followed by findings chalked down by students to further increase organic crop yield in India hence contribute to sustainable development.

Link of the Conference PPT:-