



Fostering Environmental Awareness Through Schools



St. Monica Academy

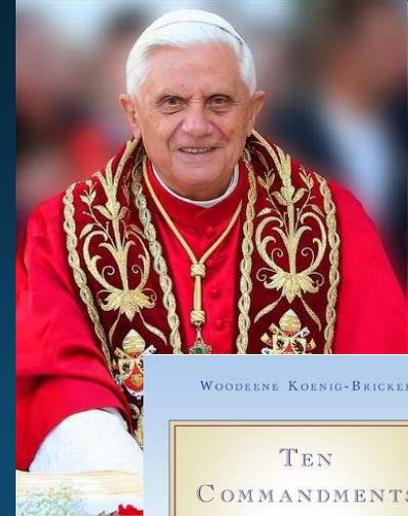


Agenda

- Connections to the Catholic Faith
- Overview of Environmental Curriculum - SEEDS
- St. Monica Academy
 - Environment curriculum integration (SEEDS)
 - Examples of Projects from various grade levels
 - In-school sustainable practices
 - Changing site and infrastructure
- Increasing Awareness through a Culture of Sustainability

Pope Benedict XVI - "Green Pope"

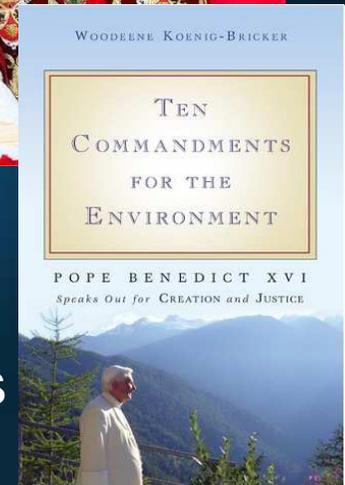
- "Alliance between Man and Earth"
- Solar Energy – Vatican Auditorium - 2,400 solar Panels and more to be installed
- More green projects to come: Windmills



Pope John Paul II

- 2007- Vatican became the world's first Carbon Neutral Country in the World
- Pope John Paul II – first Pope to formally address ecological matters

"God's world has incredible healing powers. Within a single generation, we could steer the earth toward our children's future. Let that generation be now, with God's help and blessing."



Environmental Curriculum – SEEDS (Student Environmental Education & Development Studies)

Purpose:

- Instill appreciation of the natural world
- Promote responsibility for the future of our planet - activism and service
- Develop students' skill sets for creating solutions and sustainable systems



Curriculum Philosophy & Integration Approach

- Standards-based content learning through current environmental issues
- Interdisciplinary
- Inquiry Teaching
- Project-Based, Student-Centered
- Grade-level and across-grade “learning progressions” (National Academy of Sciences, 2009)



Primary SEEDS Projects

Grades: Pre K, Kindergarten, 1st , 2nd

- Five Senses and Sensory Garden
- Worm Bins (Vermi-Composting)
- Recipe Garden/ Vegetable Soup
- Fairy Tale Garden
- Butterfly Garden



Intermediate SEEDS Projects

Grades – 3rd, 4th, and 5th

- Recycling, Waste Reduction, Composting
- Garbology
- Native Plant Garden
- Micro – Greens
- Foods & Maps – Cultural Heritage Garden
- Climate Change



Recycling/Waste Reduction

Comprehensive Recycling/Waste Reduction Program

- Lunch Room Recycling, Cloth Rags, Green Cleaners
- Compost Food Waste in Worm Bins & Outdoor Compost Bins
- Litterless Lunch Kits
- Special Lunch Days-Reusable tableware
- Paper Drives, Aluminum, Cartridges, etc.



Jr. High - SEEDS Projects

Grades – 6th, 7th, and 8th

- Sustainability – Energy Efficiency
- Earth Cycles - Landfill Project
- Compost Bins (outside)
- Earth Cycles
- Conservation – Water Study



Energy Efficiency

- Photovoltaic Solar Panels Installed above Science Laboratory
- Plan for Wind Turbines
- Walk to School Days
- Street Signs – “no idling vehicles”
- Lights Out Days, Day lighting

