Sources:
Enjoy exploring the following sites from which the above information was taken. You are encouraged to explore other sources.

Encyclical of Pope Francis: 
*Laudato Si: Care for Our Common Home*

Sisters of St. Agnes
www.csasisters.org

Srs. of St. Francis of the Holy Cross
www.gbfranciscans.org

The NEED project
- info@need.org
- www.ela.gov

Alliant Energy
www.alliantenergykids.com

Others:
www.energyquest.ca.gov
http://lifestyle.howstuffworks.com
Google: Solar Energy Curriculum
National Science Standards:
www.education-world.com/standards

List sites that you discovered on solar energy research and application, and share with others.

___________________________________
___________________________________
___________________________________
___________________________________

You find this answer!
Serious solar research began in:
- a. 1892
- b. 1954
- c. 2006
- d. 2012

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General Solar Tour Information for SCHOOL GROUPS:
1. Call 1-920-907-2300 to make an appointment for a solar tour. A Solar Site Volunteer will be notified and accompany the student group. Please call the same number above if you need to cancel.
2. A sign will direct you to the parking area by Founders Hall.
3. Appropriate grade levels for the solar tour are 4th grade through senior in college.
4. Prior to the tour, the teacher will receive a 45 minute Power Point with information to prepare the students for the tour.
5. Please arrange 1 chaperone for 10 students.
6. The Solar Tour for students is open Tuesdays and Fridays in September, October, through November.
7. Time for arrival: 12:00 or after the students’ lunch. Departure: 2:00. The tour itself will take about 45 minutes based on the number of students in a group. (Times can be adjusted for groups that come from a distance.)
8. Before returning to school, the students may use the bathrooms in Founders Hall.

COMMUNITY GROUPS:
The Solar Site is organized for those who want to enjoy a self-guided tour. Brochures at the entry of the walking path contain general information. Eight (8) bronze markers along the path will give you specific information about solar arrays.

*Tuesdays and Fridays are reserved for SCHOOL GROUPS, so we ask you to arrange your visit at other times.*

REQUESTS: Please do not:
- walk pets at the solar tour path.
- eat or drink while at the site.
- walk on any area that is not part of the mowed path. (This request is for your safety.)

“Creation is a wonderful gift that God has given us. We must care for and use it for the benefit of all, always with great respect and gratitude.”

Pope Francis
“Laudato Si”

The Congregation of Sisters of St. Agnes
welcomes you to a solar panel tour.

Blessing prayer as you walk the Solar Panel Path:
*Loving and Merciful God, as we pray for Earth our home, grant that we may walk gently upon her and consciously choose to act with reverence and care as we use the gifts of Creation.*

The Care of Earth is an integral part of the Mission of the Sisters of St. Agnes.

Since our beginning in 1858 we committed ourselves to the conservation of the land entrusted to us:
- Caring for the soil,
- Tending the woodlands,
- Preserving the integrity of the streams.
- Now, building solar arrays to harvest the clean energy of the sun.

“Oh, how I wish that the Sisters of St. Agnes might someday live on this beautiful land watered by Springs” Fr. Caspar Rehrl (Co-Founder)
God created Heaven and earth and said, “It is good.” (Genesis)

Facts About Solar Photovoltaic Arrays:
- Photo-volta-ic (PV) arrays use ultraviolet (UV) rays to produce electricity.
- Materials are “Made in America”.
- There are 52,800 solar cells, 880 modules and 10 panel arrays.
- These panels can withstand golf ball size hail traveling at 100 miles per hour, 90 mile-an-hour wind gusts, and heavy accumulations of snow and ice (112 pounds/square foot load rating).
- Standing end to end they measure one mile and weigh 20 tons.
- These solar panels are guaranteed for 25 years. They have a life span of about 40 years and can be recycled when no longer useful.

Why Solar Energy?
- It is our most abundant energy source. One hour of sunlight, if harvested, could create enough energy to satisfy global energy needs for a year.
- Solar energy is indefinitely sustainable and renewable.
- It provides earth-friendly energy reducing use of polluting fossil fuels such as coal and oil.
- Using solar energy could reduce the impact of an energy crisis.
- Negative climate change could be avoided by using the clean energy of the sun.
- Applications of solar energy use can provide careers for future generations. This industry is the fastest growing job producer in the United States.

SPECIAL FEATURE
Use the following fun recipes and become a “Solar Chef.” Enjoy this food with family, friends and students. (Those under 18 should ask an adult to assist.)

Sun-Baked Hot Dogs
- You need a cylindrical oatmeal box, a sharp knife, aluminum foil, hot dogs.
  a. Ask an adult to cut the box in half, lengthwise.
  b. Line both sides of the box with aluminum foil.
  c. Put in the sun and wait till aluminum foil gets hot.
  d. Place hot dog in the solar oven; watch it sizzle.
  e. Eat in your favorite way and enjoy.

Solar Sweet Treat: S’mores
- You need 4 graham crackers, 16 mini marshmallows, two plain chocolate bars, 9X13 glass baking dish with clear lid.
  a. Place graham crackers side by side in bottom of baking dish.
  b. Put the chocolate bar pieces on 2 of the graham crackers.
  c. Place 8 mini-marshmallows on top of the other 2 graham crackers.
  d. Cover pan with glass lid and place outside in direct sunlight.
  e. Wait for marshmallows and chocolate to melt.
  f. Put 1 chocolate and 1 marshmallow cracker together and enjoy!