



Lesson / Scavenger Hunt: Sustainability



What is Sustainability?

Sustainability is a Core Value at Caterpillar. For 90 years, Caterpillar has been providing equipment and solutions that help make sustainable progress possible around the world. At Caterpillar, we recognize that progress involves a balance of environmental stewardship, social responsibility and economic growth. We enable economic growth through infrastructure development, and we play critical roles in solving some of the world's toughest challenges associated with energy, water, land and climate. We also donate time, talent and financial resources to improve the quality of life in the communities where we work and live.



**Environmental
Stewardship**



**Social
Responsibility**



**Economic
Growth**

Let's go on a journey together through the Caterpillar Visitors Center to learn more about how Caterpillar focuses on sustainability.

Instructions: Begin in the lobby (questions 1-2), then proceed to the movie in the 797F Mining Truck. After the movie, continue your scavenger hunt in the lower level exhibit galleries. The questions follow the order of the galleries.

LOBBY

1. The Caterpillar Visitors Center achieved LEED GOLD Certification for its many sustainable features. There are several solar panels on the roof of the Caterpillar parking deck. On a sunny day, these solar panels can supply up to 75% of the power needed in this building.
2. The Caterpillar Visitors Center has on-site rain water retention and can cut our water usage by 85 %.



797F Mining Truck Welcome Movie: While watching the movie, listen for the words **RECYCLE**, **SUSTAIN** and **SUSTAINABLE**. Did you hear them?

Continued...



Lesson / Scavenger Hunt: Sustainability continued...

HERITAGE

- In the 1930s, Caterpillar equipment helped build the HOOVER DAM to control floods, provide irrigation water and produce hydroelectric power for three states.
- In 2006, Caterpillar released its first Sustainability Report. This report demonstrates the ways in which Caterpillar's business links to sustainable efforts around the world.

BRAND

- The Caterpillar Brand and its portfolio cover a wide range of industries around the globe. When you see or hear the name Caterpillar or one of the affiliate brands, you know you are working with a leader COMMITTED to making sustainable progress possible.

PRODUCT DEVELOPMENT

- Caterpillar research is focused on finding new ways to increase efficiency, decrease cost, improve productivity and safety, and reduce the impact on the ENVIRONMENT.

CATERPILLAR PRODUCTION SYSTEMS

- Caterpillar encourages employees to practice CONSERVATION and efficiency. It is good for Caterpillar people and the environment, and at the same time, it reduces the cost for the customer.
- Caterpillar Cast Metals Organization (CMO) is located in Mapleton, Illinois, where they craft diesel engine components that are the heart of Cat® machines across the globe. CMO supports sustainable growth by using nearly 100 percent recycled steel as the base material.

PEOPLE AT WORK

- Caterpillar encourages all employees to participate in community activities that promote the common good. We believe our successes should also contribute to the quality of life, and the prosperity and sustainability of COMMUNITIES where we work and live.
- Sustainability: The Power of Endurance. We are committed to building a better world. We consider this as we work toward a vision of a world in which people's basic human needs—such as SHELTER, CLEAN WATER, EDUCATION and RELIABLE ENERGY— are fulfilled.

POWER SYSTEMS

- Tier 4 Final – VISUAL DISPLAY OPPORTUNITY – show students the containers which compare reduction in particulate matter.

REMAN

- Caterpillar customers are asking for help to meet their sustainability challenges, and Caterpillar delivers solutions like the CAT CERTIFIED REBUILD and the CERTIFIED POWER TRAIN programs.



Be sure to stop in the Job Site Theater (located under the 797F Mining Truck) to watch the film *The Green Room*. Discuss the film back in your classroom.