

New For Fall '15

- Cat® equipment coloring pages
- Field trip approval template

FIELD TRIP PRICING:

Students age 12 and under (K - 7th grade) - no charge
Students over age 12 (8th - 12th grade) - \$3.00 each
Adults/teachers/chaperones - \$3.00 each
(One adult/teacher/chaperone free per ten paid students)
Bus drivers are welcome at no charge.

Reserve Your Field Trip Here: 

Things To Know

"GROUND RULES: MINING RIGHT FOR A SUSTAINABLE FUTURE"

Available in English, Spanish, Portuguese and French, plus English with Chinese subtitles.

Find Educational Materials Here: 

HISTORY OF CAT TOYS EXHIBIT - Coming to the Caterpillar Visitors Center in November 2015

MAKING TRACKS AT THE CATERPILLAR VISITORS CENTER



MAKER'S IN MOTION SUMMER CAMP

CATERPILLAR VISITORS CENTER

GALLERY SPOTLIGHT



Caterpillar was founded by two innovators from the agriculture industry, Benjamin Holt and Daniel Best, whose mission was to provide better solutions for their customers' business needs. Both were among the first to introduce steam- and gasoline-powered farm equipment. After joining forces to form Caterpillar, they were first to market with diesel-powered track-type tractors.

Over the years, Caterpillar people have followed in our founders' footsteps, introducing breakthrough solutions in turbo charging technology, electronic controls, fuel systems, drive systems and more for the purpose of enhancing our customers' success.

Research and Development (R&D) over the decades

Approximate annual R&D investment: \$1M per year Number of patents granted: 127	1930s
1940s	Approximate annual R&D investment: \$3M per year Number of patents granted: 103
Approximate annual R&D investment: \$6M per year Number of patents granted: 119	1950s
1960s	Approximate annual R&D investment: not reported Number of patents granted: 796
Approximate annual R&D investment: \$90M per year Number of patents granted: 2,568	1970s
1980s	Approximate annual R&D investment: \$200M per year Number of patents granted: 759
Approximate annual R&D investment: \$400M per year Number of patents granted: 2,239	1990s
2000s	Approximate annual R&D investment: \$1B per year Number of patents granted: 2,217

INGENIOUS
 GROUNDBREAKING
 INVENTIVE
 CREATION
 AVANTGARDE
 RADICAL
 UNPRECEDENTED
 PIONEERING
 NOVEL
 INVENTIVE

CRITICAL THINKING:

What does innovation mean to you?

Who are innovators?

How can you be innovative in your every day life?

Why is it important to be innovative?

Why is it important for companies like Caterpillar to be innovative and invest in research and development?

ENGINEERING DESIGN ACTIVITY

CAT WORK TOOLS



Hammer

Cat Hydraulic Hammers are used in demolition, construction, quarry and production breaking applications.



Forks

Whether you are moving bulky palletized material, large pieces of flagstone, or hay bales there is a fork equipped to meet your needs.



Shears

Cat shears are used to cut common metals found in scrap operations and building structures. They are also used on demolition sites.

Use the photos and information above to answer the following questions.

What requirements do you think the engineers had to take into consideration when designing each work tool?

In order to meet each customer's need, name three specific requirements that must be met for each work tool.

Look at each photo above. Can you think of other ways to use the tools?

Most people have hammers, forks, and shears in their house or garage. Do they look like the tools above? How would you use them differently than the Cat work tools?

CAREERS AT CATERPILLAR

WHAT IS SUPPLY CHAIN MANAGEMENT?

Supply Chain and Logistics Management encompass the flow of goods and services to the customer quickly, efficiently, and in the most cost effective manner. At Caterpillar, the supply chain and logistics function manages all movement of material from suppliers through our internal manufacturing facilities and facilitates the distribution of finished products to Caterpillar's global dealership network. Additionally, the supply chain and logistics function is critically involved in managing the movement of material throughout Caterpillar's world class aftermarket parts network. We have a number of different career paths available within the supply chain and logistics function at Caterpillar:

- | | |
|------------------------------------|------------------------------------|
| Customer service | Transportation management |
| Inventory management | Warehouse operations |
| Procurement and supplier relations | Manufacturing logistics operations |

Who is best suited for a career in the Supply Chain and Logistics Management function?

At Caterpillar, many of the supply chain and logistics professionals have backgrounds in engineering, mathematics, and business. Many of the day-to-day responsibilities of a supply chain professional involve analyzing data, determining the best course of action, and optimizing cost structures. If you enjoy solving problems, working in a fast-paced environment, interacting with teams, and focusing on your customer's needs, then a supply chain and logistics career path is for you!

What types of positions are available at Caterpillar within the Supply Chain and Logistics function?

Customer service: Address questions and issues raised by customers.

Inventory management: Monitor and optimize all inventory starting with raw materials through manufacturing to finished goods.

Procurement and supplier relations: Work with external suppliers to purchase material Caterpillar needs to build our products.

Transportation management: Work with transportation companies to facilitate the movement of products around the globe .

Warehouse operations: Manage the material flow, processes, and employees within a distribution center from receiving material to storing material to preparing outbound shipments to customers.

Manufacturing logistics operations: Manage the raw material flow, processes, and employees in order to facilitate efficient production lines within a Caterpillar Manufacturing facility.

What skills are needed to be a Supply Chain & Logistics Management Professional?

In today's fast paced world, it is critical that supply chain and logistics management professionals possess technical and analytical skills. Most business decisions are made based on facts and data. Therefore, a successful supply chain and logistics management professional must have the ability to collect, analyze, and use data to make decisions. Regardless of function or profession, at Caterpillar, successful individuals also.

