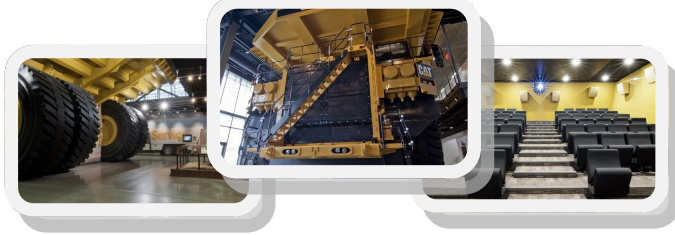


IN THE YELLOW PAINT

Educator News from the Caterpillar Visitors Center

February 2015 www.caterpillar.com/visitors-center

Gallery of the Month Cat® 797F Mining Truck Theater



The 797F is one of the world's largest mechanical drive mining trucks, standing more than two stories tall. Our self-guided tour begins with a ten-minute video in the bed of the 797F. Both the truck and the video offer a variety of interesting learning opportunities.

⇒ **797F Mining Truck facts**

Critical thinking: Each tire is more than 13 ft. tall, 5 ft. wide and weighs more than 12,000 lbs. There are six of these tires on the 797F. How much would all six tires weigh? If you laid the tires end to end how many feet long would the line of tires be?

⇒ **Welcome message from our Chairman and CEO**

Critical thinking: Caterpillar built the Visitors Center for a number of reasons. The Peoria area has been our home since 1914 and we have a shared history. We've grown together and now have a place for the entire community to enjoy. We also wanted a place to showcase the great work of our retirees, employees and customers. Why is it important to recognize the work of your retirees and employees? Why would Caterpillar want to showcase their customers? Why is it important to share or give back to your community?

⇒ **Doing business globally**

Critical thinking: What is a global company? What countries were represented in the movie? Would you like to work in a foreign country as an International Service Employee? If so, what country?

⇒ **Foreign language skills**

Critical thinking: What languages were represented in the welcome video? Is it beneficial to a global company to have employees fluent in two or more languages? Why or why not?

⇒ **Cat products and machines**

Critical thinking: Caterpillar builds over 300 different machines and 500 types of engines. Who do you think comes up with ideas for all of these products and machines? Design a machine or product that you think would be useful in our everyday lives.

⇒ **Customers**

Critical thinking: Cat customer Martin Wilson's company clears away old structures to make way for new homes outside of London. Martin explains that they recycle 95% of the products on site as opposed to sending it to landfills. Why is recycling on site a good thing? How does recycling impact a community?

Field Trip Spotlight

Livingston Co. Farm Bureau



For detailed information on planning your field trip and free learning tools to complement your visit, please visit our website at www.caterpillar.com/visitors-center

(click on Educator Resources). For questions or if you would like additional assistance in scheduling your trip, please call Mary Blum at (309) 675-9494 or email Blum_Mary_A@cat.com.



Caterpillar Visitors Center

Hours

Monday—Saturday
10:00 a.m.—5:00 p.m.

*Last entry is at 3:30 p.m.

CAREERS IN INFORMATION TECHNOLOGY

The Caterpillar Visitors Center recently sat down with Lura Ludolph, Caterpillar IT Talent Acquisition Consultant, Global Information Services, to discuss IT careers at Caterpillar Inc. Here is what Lura had to share.

PART 1

What is Information Technology (IT)?

At Caterpillar IT staff supports our network, which encompasses all the hardware and infrastructure that connects employees with suppliers and dealers. Then we have teams who develop applications for our business functions or those who implement packaged software to do the same. The IT staff also works with engineers, developing hardware and software for our machines, which could be described as a multi-functional role.

IT at Caterpillar can be divided into the following categories – Technical Infrastructure, Applications, Information Security, and Information Management.

*Technical Infrastructure – managing components of the enterprise network, such as wireless networks, servers, storage, firewalls, electronic data interchanges, Windows administration, SAP Basis, middleware, and desktop virtualization
Applications – develop and/or configure software; data modeling / design; Java Center of Excellence; business partner requirements gathering; build middleware components for extract, transform, and load function; develop web services for reuse (Service Oriented Architecture); Application Program Interfaces; and data virtualization*

*Information Security – monitor network; reporting; and incident management.
Leverage both application and infrastructure skills in this role*

Information Management – develops and manages enterprise data warehouse components and/or reporting

Who is best suited for an IT career?

IT is a great career path for people who like to solve problems. By using technology to solve a 'real world' problem you're doing what IT is meant to do - make something better! IT can be overwhelming for people who don't adjust well to change. Make sure you can handle the fluid environment in which IT operates. A good IT person will be passionate about learning many different technologies so they can adapt as things change. They won't be discouraged by this or how difficult something appears. They will be excited.

How does a student know that IT is a good career path for him/her?

Try it. Take classes or join a club that offers some introduction to programming. When you use a computer, remember, it's a tool. It doesn't make you an 'IT person' when you type a paper or create a presentation on a computer. Think of IT as the solution or the hardware you used. The 'IT person' made that program for you to use or set you up on the network so you could access something online. IT professionals are very creative, improving and updating tools as they come up with better ways to do things.

What types of positions are available in the IT space?

Entry level positions for the areas above are called IT Application Analysts or IT Infrastructure Analysts. As you progress through your career, you have opportunities to deepen technical skills and could go to a Technical Architect position, or manage software upgrades/implementations and be a Program Manager, or choose a leadership path and be an IT Supervisor/Manager/Director. A myriad of these will broaden your experience and be beneficial to you throughout your career.

What skills are needed?

Technical skills: Focusing on programming for applications is the best way to obtain many different languages and/or work on many software tools. If your focus is infrastructure, consider certifications, like Cisco Networking. Many companies use this technology and you will have a baseline that sets you apart.

Soft skills: All of these jobs require troubleshooting skills. IT is like a puzzle. So the better you are at figuring out how things work and more importantly – how to work together, then the better off you will be. You must be able to talk to users about what they want and not assume you know the answers. IT analysts spend more time finding out requirements and how to test their software than actually programming it. Just like a carpenter – measure twice and cut once! IT analysts are smart to have their requirements and test cases, so what they build meets specifications, and is bug free.

**CATERPILLAR DIESELS EXHIBIT
OPENING MARCH 1, 2015**



Caterpillar's rich heritage goes beyond our machinery to our people and their yellow blood. Before the NBA came to prominence, there was the Caterpillar Diesels/Peoria Cats -- one of the most dominant teams in the National Industrial Basketball League.

Peoria was on top of the basketball world in the 1950s and these men, who built yellow iron by day, were some of the world's greatest basketball players by night. See the team's journey from playing in the local field house to Madison Square Garden, from winning hometown matches to the Olympic Games.

Back for a limited time, this exhibit will be open for the month of March and features new artifacts never before seen by the public. The exhibit will also showcase an Olympic gold medal, game-worn jerseys, players' personal memorabilia, photographs and game footage.

Upcoming Events

March 1, 2015 - Caterpillar Diesels Basketball Exhibit opens

April 9, 2015 - Caterpillar Dieselettes Softball Exhibit opens

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