Welcome to Combs Today College Tomorrow Career Fair!!
Janet Pride
Third Grade
Combs Elementary
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MacLean, rising 4th grader
Combs Elementary
An Engineer’s Lullaby

Rock-a-bye baby in the tree top.
When the wind blows the cradle will rock.
When the bough breaks, the cradle won't fall.
Because engineers look after us all.
Main Objectives

- Engineering is an exciting career path
- High Expectations
- Follow the interests
- Include parents and staff
- Make it real
- Have a way to know what they learned
Engineering in Third Grade

- Pre/Post Assessment
- Variety of Projects
  - Reading, Science, Social Studies, Writing
- Name the specific discipline instead of “Engineering”
Introduction to Engineering

1. Draw a picture of yourself doing engineering. Write a sentence or two about your picture.

I am fixing a wheel.
Overview of Projects

- Sept: No Talking
- Nov: Moon Rover
- Jan: Native American Homes
  - Civil engineering
- March: Humpty Dumpty/Mary Celeste
  - Civil engineering, Forensics Engineering
- April/May: Research Career
  - After my spring break ACC tour with my son…
  - ELA Research/writing
Career Research Project

- Research Project for ELA standards
- ACC Engineering Tour with my son
  - Amazing college opportunities
- LOTUS to organize
- LearningWithPride.com
- Global Focus and Need for skills/projects
  - Identify countries/areas on world map
  - Specify the Engineering problem to solve
- Then it took off…
The Energizer Bunny Project

- Kids built prototypes for their project
  - LEGO, craft supplies, fabric, wood
- Everyone created business cards
- Kids worked together with similar disciplines
- Students made tri-fold boards, brochures and posters
- Very creative and well planned finished projects
The Career Fair was Born

- Part of the teacher evaluation tool
- Held during lunch time so parents could join us
- Invited select classrooms (crowd control)
- Kids loved:
  - Name Tags
  - Tent Cards w/Engineering Title
  - Business Cards
Ready, Set, Go!

- Career Day Checklist
- Career Day Invitation
- Name Tags were VERY IMPORTANT!
- And, of course, Business Cards were needed!
MacLean, Industrial Engineer
INDUSTRIAL ENGINEERING

By Maclean and Chance

Types of problems they solve:
Industrial engineers determine the most effective ways to use the basic factors of production.

Average Annual Salary for Engineers by Industry and Degree Level

Starting salaries:
$48,210 a year
$23,180 Per year

Cool Stuff
Most Industrial engineers have a 4-year college degree.

Me and my friend are making a poster about machines. It's about building and fixing.

If you're an Industrial engineer, you will probably work inside and outside. If you get a lot of money, it's hard to get into but if you work hard, you might get in.
If you do work hard enough in this job, you might meet famous pro skaters.

Not just skateboarding, there's also making bridges, protection, and Maby even hover crafts!

Salary: $90,000

Industries that need engineers:
- Skate shops
- Skate Parks
- Industries with engineering

Facts:
- When you are jumping off of six feet, you can land on a knee pad.
I have created and tested this Lego model of a drawbridge.

This is a picture of the gong that raises the bridge.
NC Colleges that offer degree

1. NC State
2. Penn Foster College
3. North Carolina A and T
4. Rowan-Cabarrus Community (e.g.t.)

Types of problems they solve

Industrial engineers determine the most effective ways to use the basic factors of a production.
Video and Assessment

- **Video**…
- Show me the data…
- **MacLean**
- **Karen**

- Questions?
Thank you for coming!