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Career Possibilities: Discover, Explore, Dream!

Hosted by Annette Cerreta and Meghan Kunz
of the PACER Simon Technology Center

Who We Are



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Today's Webinar

Students from across Minnesota are participating in today's Webinar:

- **Red Wing**
- **Lakeville**
- **St. Paul**



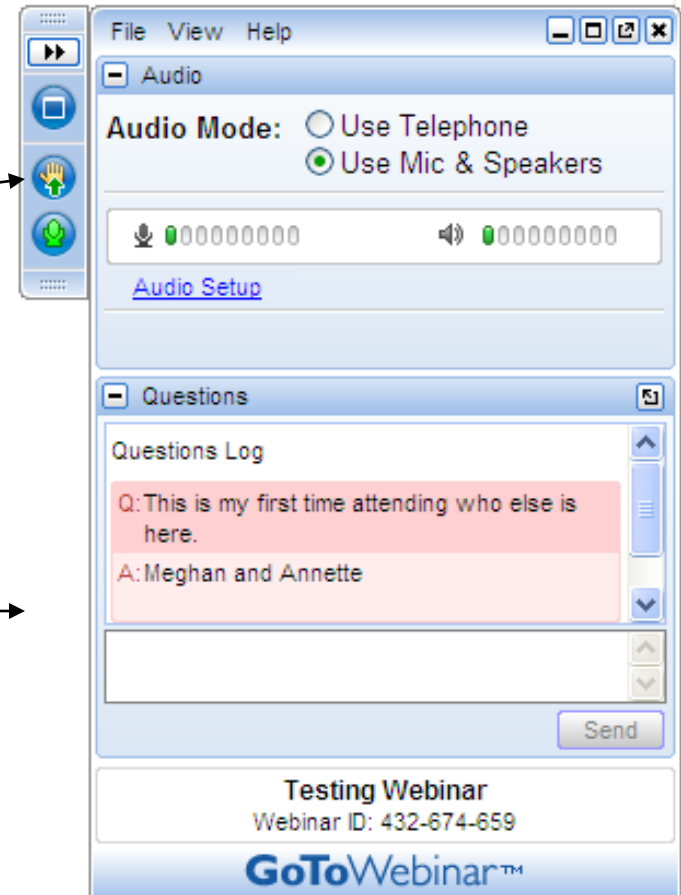
What is a Webinar?

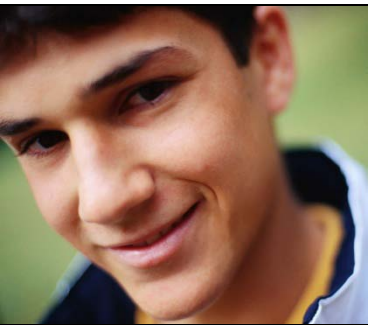
- A webinar is a seminar or training given on the computer and delivered over the world wide web (www).
- **Web + Seminar = Webinar**
- You will watch the presentation on the computer and hear the sound on the computer speakers or through the phone.



Using GoToWebinar

- You/your teacher can get the presenters attention by clicking on the “hand” button.
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Explore the Possibilities!

Career Exploration

- **Discover**
 - Hobbies, interests, personality traits, values
 - Interest assessment
- **Explore**
 - Search career options, research companies, schooling needed
- **Dream**
 - Job shadow, volunteer work, school clubs



One thing to consider.....

.....a STEM Career
Science
Technology
Engineering
Math



Looking back, then vs. now.

Then vs Now



Then vs Now



Then vs Now



STEM Career Cluster

- Interrelated jobs and skills
- Require problem solving, critical thinking, and the ability to work independently.
- Can help you become successful in just about any career.
- You can gain STEM skills through academic coursework, work experience, and even your hobbies.

STEM Career Areas

- Agriculture, Agricultural Operations, and Related Sciences
- Computer and Informational Sciences and Support Services
- Engineering and Engineering Technologies
- Biological and Biomedical Sciences
- Mathematics and Statistics
- Physical Sciences and Technologies

The Process

- Someone in technology field developed the Xbox
 - technology and science
- Had it manufactured/engineered
 - engineering
- Analyze the demographics and statistics to figure out who might buy it and at what price
 - math



Careers in Science

- **Environmental scientists** study problems in the natural world that affect the health of living things.
 - Study pollution and global warming.
- **Foresters** manage, use, and help protect forests and other natural resources.
 - Work in public forests and parks.
- **Meteorologists** study the earth's atmosphere and the ways it affects our environment. Many of them forecast the weather.
 - Meteorologists collect data and create models that help us to understand weather.



Careers in Technology

- **Medical laboratory technologists** conduct tests to help detect, diagnose, and treat diseases.
 - Lab technologists run tests using samples of body fluids, cells, or tissues
- **Science technicians** conduct tests and experiments to assist scientists.
 - Solve problems in research and development, help invent and improve products and processes in manufacturing.
- **Animators and multi-media artists** create graphics and animation using hand drawings and computer software and equipment.
 - They create the animated effects you see in films, TV shows, video games, websites, and commercials.
- [Engineer Your Life](#)
- The Fun Works
 - www.thefunworks.org



Careers in Engineering

- **Mechanical engineers** oversee the design, construction, and testing of mechanical products and systems.
 - Some mechanical engineers design heat, water, or gas systems for factories. Others design and test robotic products.
- **Civil engineering** is responsible for the construction of many man-made wonders.
 - Civil engineers plan and design roads, buildings, airports, tunnels, dams, bridges, and water systems. They may also supervise the construction.
- Discover Engineering
 - www.discoverengineering.org



Careers in Math

- **Financial examiners** analyze the finances of organizations to make sure they comply with laws and regulations.
 - Check whether records are accurate and verify that companies have as much money as they say they do.
- **Statistical clerks** gather information and analyze it using statistics.
 - Conduct surveys and collect data. They use computers and special programs to analyze, display, and interpret the data.
- **Traffic technicians** gather and analyze information about traffic conditions.
 - Traffic technicians work with traffic engineers to create safe roads. They study roads and attempt to determine what aspects of their design make them more or less dangerous.
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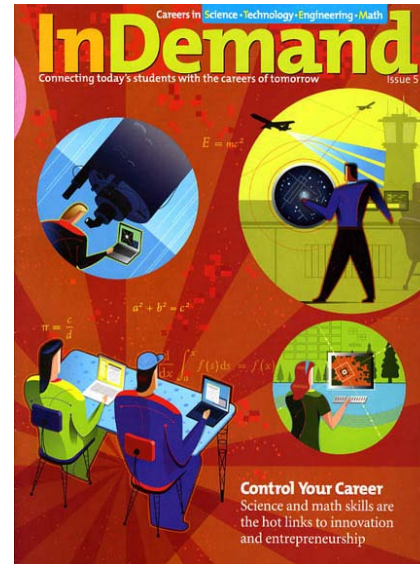
Investigate Careers

- iSeek
- Career exploration tool
- [Interest Assessment](#)
- Provides information about current jobs, job forecast, salary, and educational requirements
- www.iseek.org

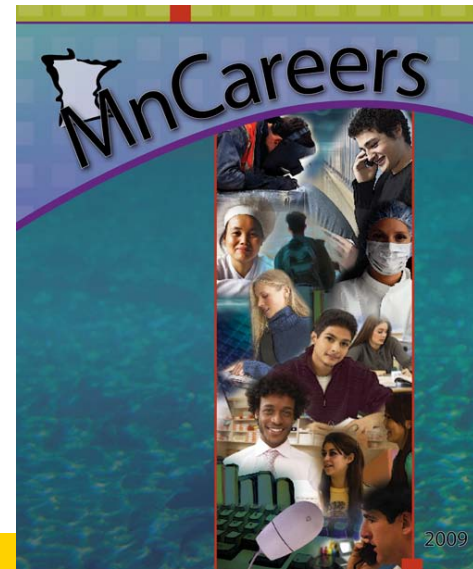


Exploration Activities

- **In Demand Magazine**
 - Magazine focuses on STEM areas
 - Includes interviews from people in STEM careers, top jobs, and fun facts.
- **MN Careers Guidebook**
 - Career and education information
 - Explore 16 career clusters navigate more than 200 career options.



The Task:
Explore 2 career possibilities using these tools. Worksheets provided.





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Thank you!