

Women's Careers: A Telementoring Project

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Learning with Technology

Women's Careers: *Telling our Stories,*
A Telementoring Project

Women's Issues and a Career Research Unit

Sponsored by:

*NCaect – North Carolina Association for Educational
Communications & Technology and*

Wake

Forest

U N I V E R S I T Y



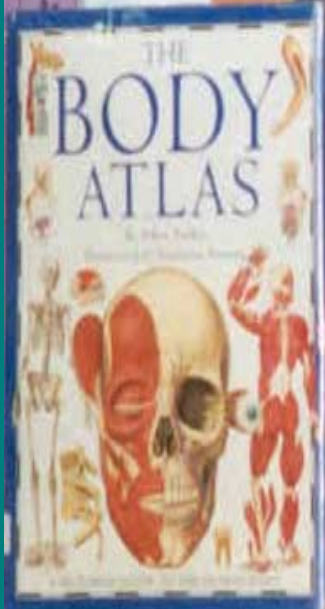
Participants from advanced 6th & 7th Science
classes at Pailsey Math and Science Academy.

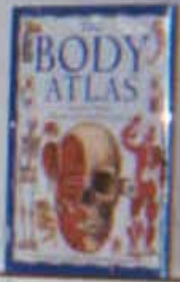
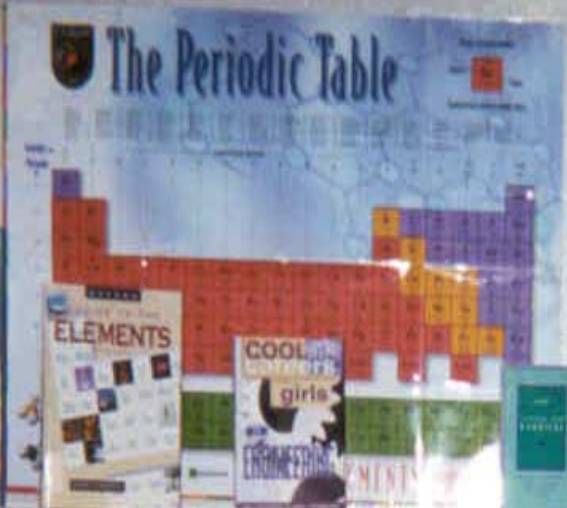
Mission Statement:

- A project to nurture and encourage self-confidence and self-determination in young women.
- These young women have all the career choices in the world. We want to make sure they are aware of this and see role models of women who are achieving in technical areas.

Mission Statement:

- They need to understand how important their course selection is in middle school and high school.
- And to be successful in technical areas they need problem solving skills, communication skills, writing skills and all the math and science courses they can take.



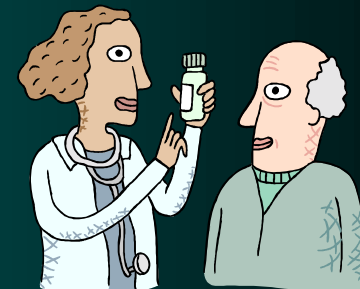


Activities:

- KidPix 'Dream Activity'
- Discussion of Issues affecting women today
- Email & evaluate responses from telementors
- Women in Science interactive cd
- Oral/poster group presentations reflecting what I have learned . . .

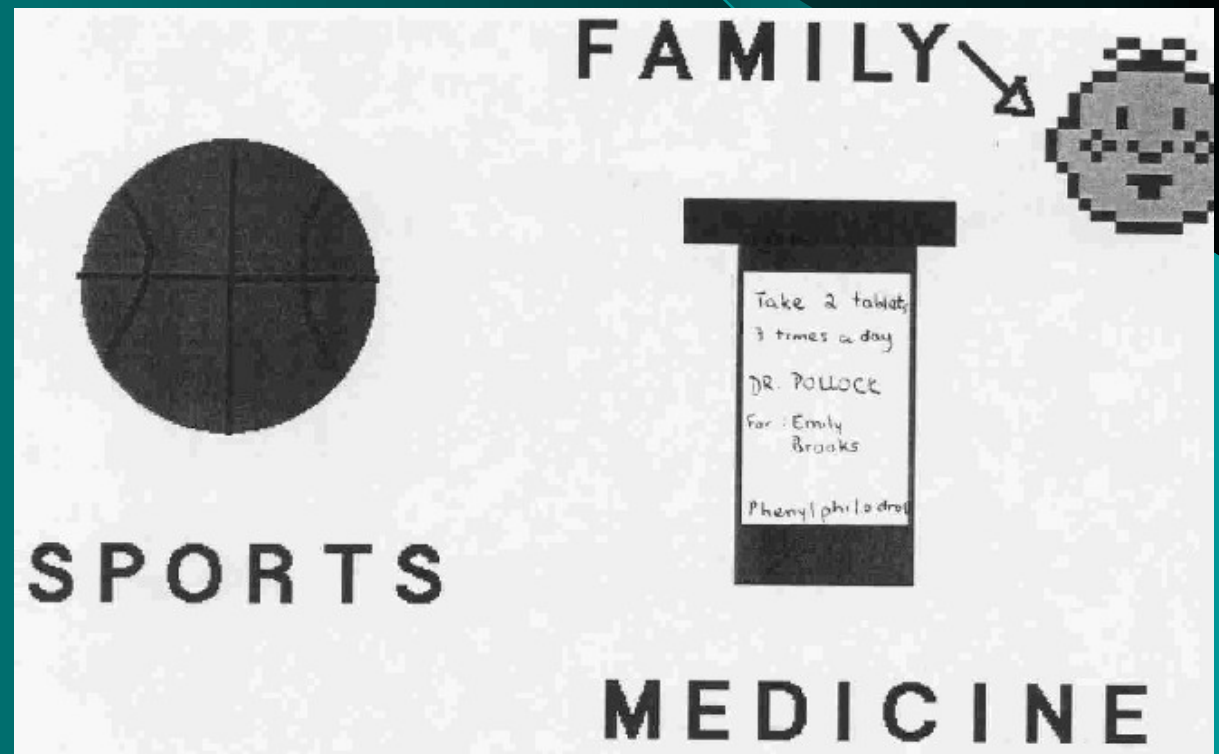
Women's Careers

- Physical Therapist
- Pharmacist
- Surgeon
- Researcher



Dream Activity:

Physician



Women's Careers

- Veterinarian
- Groomer
- Horse Trainer
- Pathologist
- Wildlife Biologist
- Fisheries Biologist



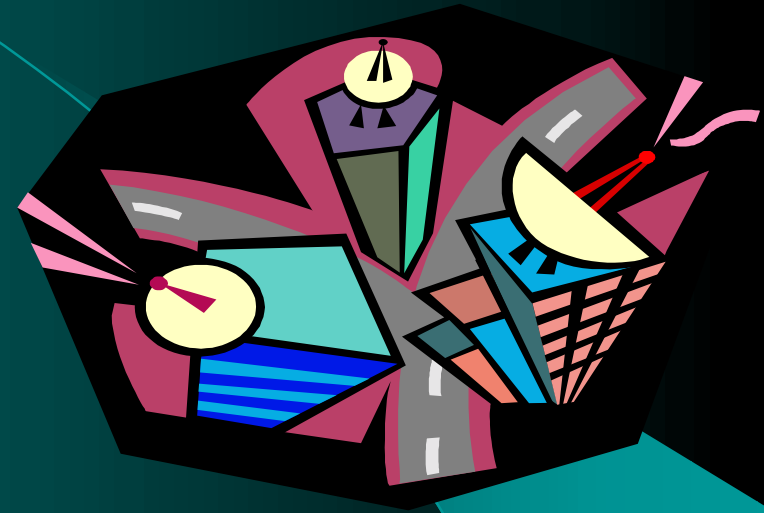
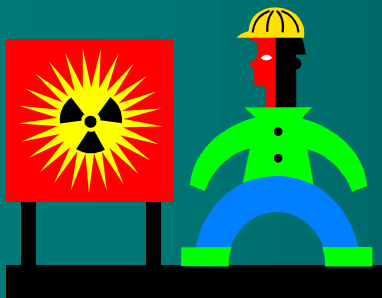
Dream Activity:

Veterinarian



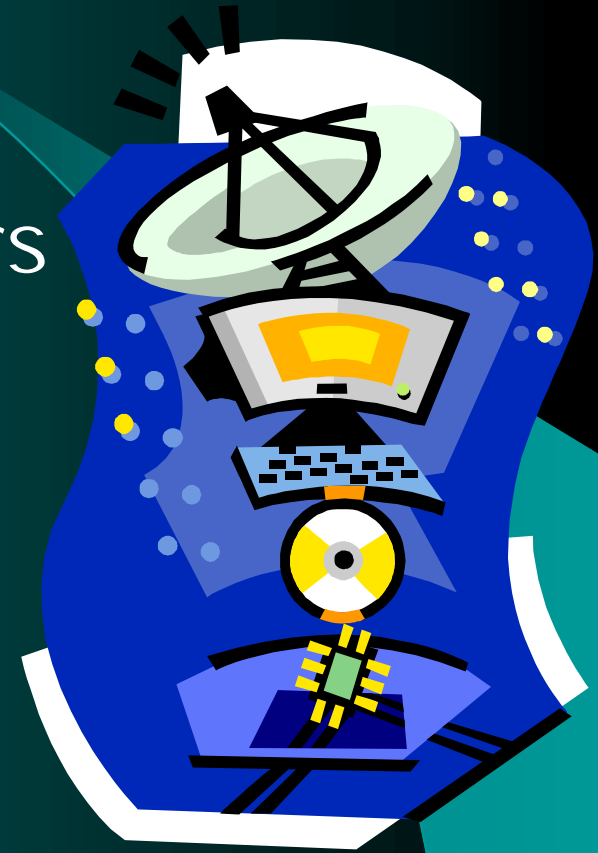
Women's Careers

- Civil Engineer
- Electrical Engineer
- Mechanical Engineer
- Nuclear Engineer



Women's Careers

- Electronic Engineers
- Computer Science Engineers



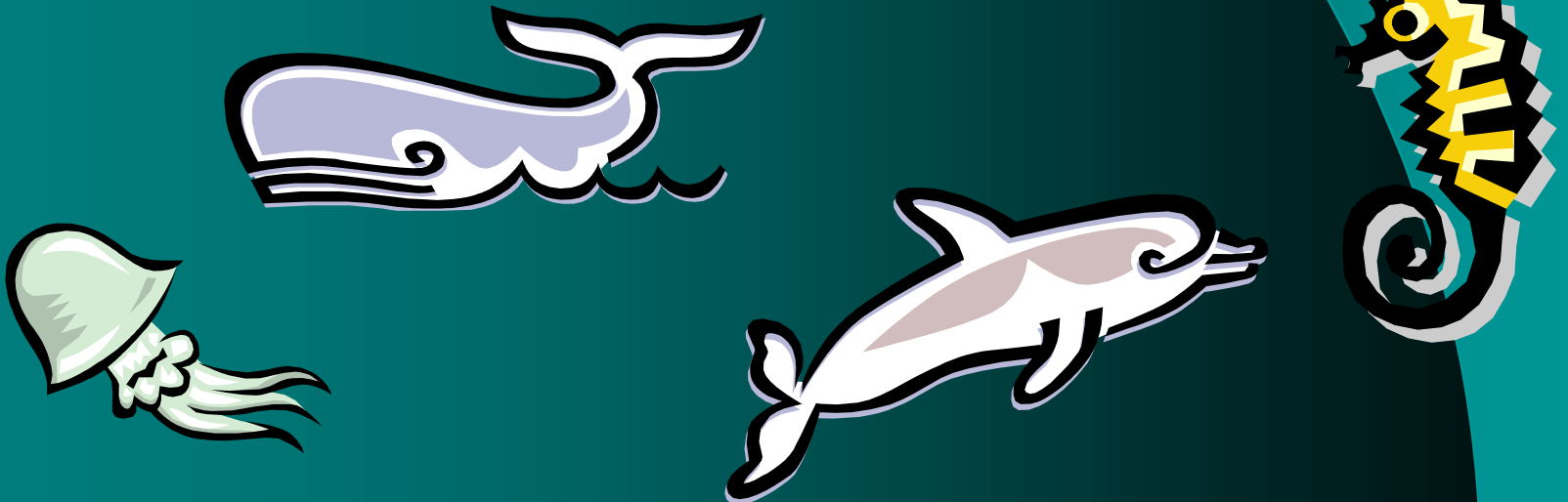
Women's Careers

- Physician
- Nurse
- Physician Assistant



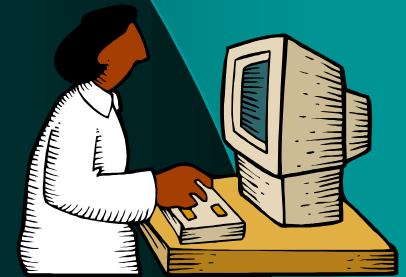
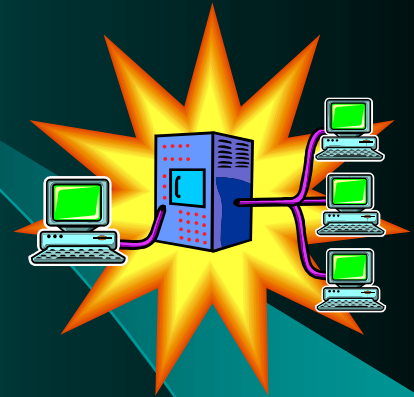
Women's Careers

- Marine Biologist
- Oceanographer
- Fisheries Biologist



Women's Careers

- Communications
- Programmer
- Project Manager
- Systems Analyst
- Network Administrator
- Graphic Designer



Dream Activity:

Drafter

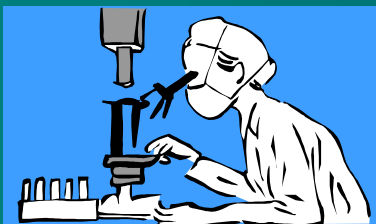
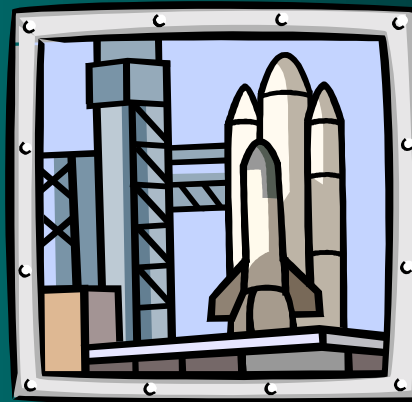
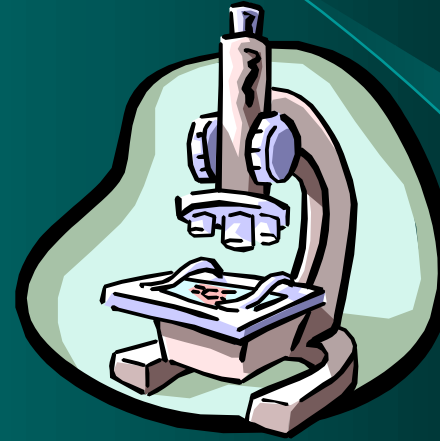




Women's Careers

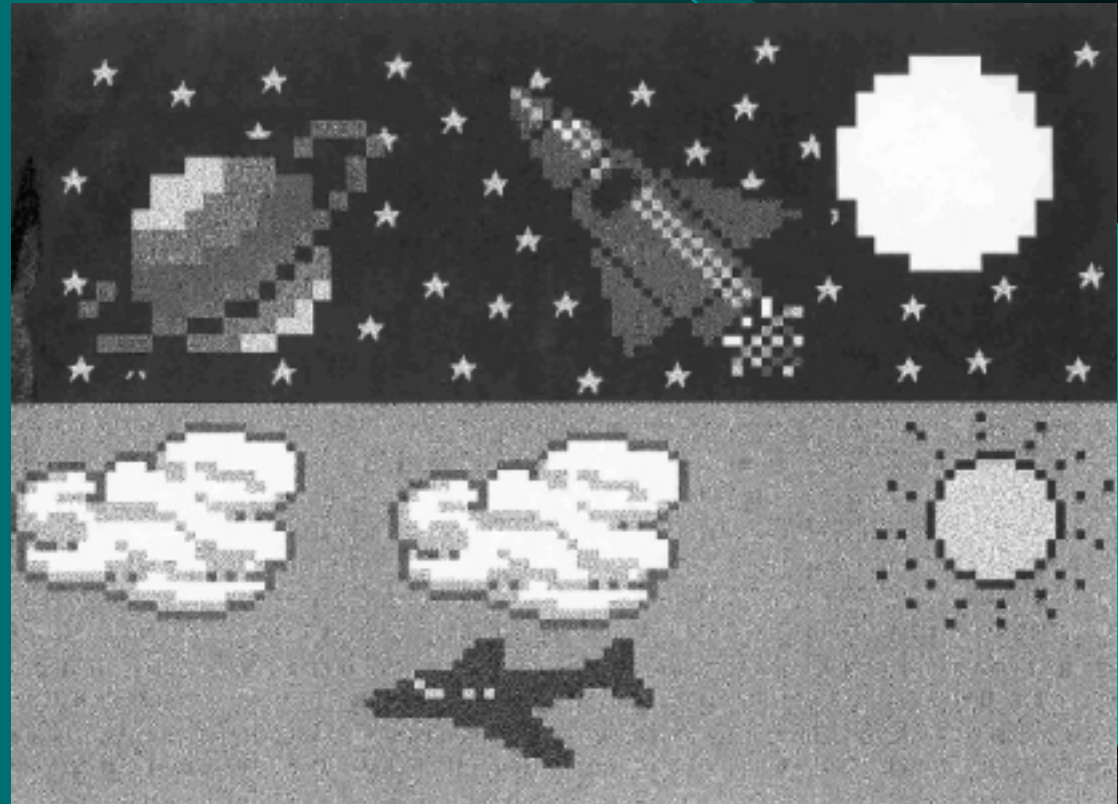


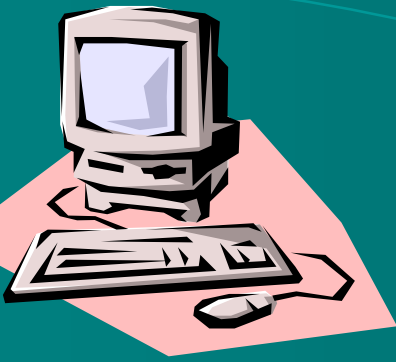
- Astronaut
- Atomic Physicist
- Astronomer
- Geneticist
- Space Shuttle Engineer
- Microbiologist



Dream Activity:

Astronaut

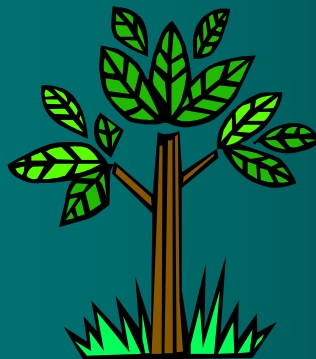




Women's Careers



- Math Teacher/Professor
- Science Teacher
- Chemistry Teacher
- Physics Teacher/Professor
- Biology Teacher/Professor



Exploring Women's Careers:

1) Real-time conversation with the Women of NASA

2) Invention Dimension

<http://web.mit.edu/invent>

3) Expect the Best From a Girl

<http://www.academic.org>

4) Science Girls

<http://sciencegirls.stleonards.vic.edu.au>

Locating Telementors

- WIE@maelstrom.stjohns.edu

Women in International Electrical & Electronic Engineering - IEEE - sets standards for computing industry

- WISNET@LISTSERV.UIC.EDU

Women in Science & Engineering

Locating Telementors

- systemers-publish@systemers.org
- systemers-tech@domeus.co.uk

Informal group of Women in Computing

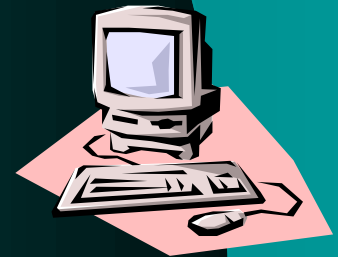
- wiphys@aps.org

Women in Physics

- Personal contacts

Issues Affecting Women & Telementor Questions:

1. What is your job title or what do you do?
2. What city and state do you work in?
3. What you did to get your position, education and/or experience?
4. In preparing for your career what worked and what didn't?
5. Is your career your first choice?
6. Is your career fun and interesting?
7. How do you balance work and personal life?
8. How do you deal with a work environment that isn't always "woman friendly"?
9. Is being a team player important in your job?
10. Do you have any comments to young women (ages 11-15) who may be considering your position?



Telementors

- Life Sciences – Agricultural Specialist, Biologists, Hydrologist, Genetic Researchers, Medical Physicians, Microbiologists, Molecular Biologists, Occupational Therapists, Physical Therapists, Veterinarians

Telementors

- Professors of Biology, Math, Computer Science and Physics
- Engineers – Civil, Computer Science, Environmental, Industrial, Metallurgical
- Physicists – Astronomers, Extraterrestrial Investigators, Jet Propulsion, and Nuclear

Telementors

- Business – Data Center Manager, Internet Consulting, Data Base Administrator, Software Sales, Telecommunication Project Management
- Computer Science – Artificial Intelligence, Programmer, Software Developer, Webmaster

A Telementor in Action

- Dr. Jill Tarter, Director of the Center for SETI Research at the non-profit Institute in Mountain View, CA
- <http://www.seti.org>
- Online cam of radio telescope investigating extraterrestrial sounds

Women In Science Activity:







Researcher's Report

10/23/2002

SEND TO:
Diana Reiss

Dear Diana,
Here are the sonograms I collected. Please let me know if you agree with the way I have matched them.

Computer sounds

CLICK to listen

Ring	Rub	Ball

Dolphin sounds collected

Drag sample to best match computer's and then send report →

EXIT

To: Researcher

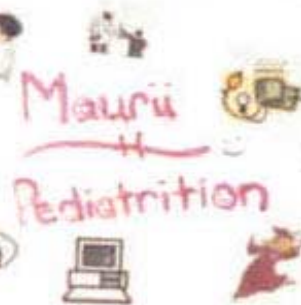
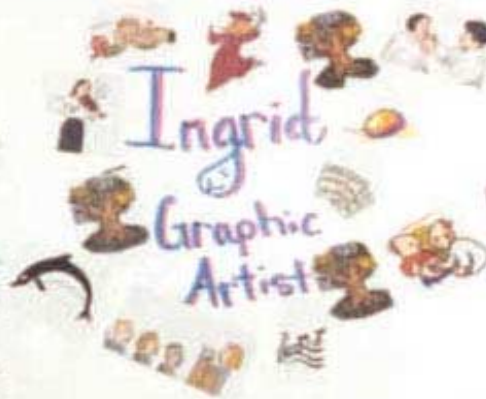
INFO

RESET

What I have learned . . .

- Get your education completed early.
- Don't be afraid to challenge yourself.
- Don't get discouraged.
- Go after your dreams.
- You can do what ever you want to do.
- It is always harder for women to get job positions in science careers.
- Be ready to work hard.

In The Future



What we
learned...

Keep trying

follow your
dreams

Quotes

Laura Ricci: "Get your education completed early."

Erin Miller: "Don't get discouraged."

Grace Latora: "Don't be afraid to pursue your dreams."

Grace Latora: "Be ready to work hard."

What I have learned . . .

- keep trying . . . follow your dreams.
- do it: Keep up with math & science in any event.
- find a mentor: I was very lucky to have wonderful mentors who were both women and men.
- everyone take as much science and math as possible.
- take time off to be with your family.
- enjoy other people and yourself.
- you can do anything you put your mind to.

In The Future ...

10-15 Years



Quotes

Don't both Basic - Do it! Keep up with math + science in your events

Pro Edge - The world of Time very tight to have a lot of things to do in a short time

Everyone - Take as much science + math as possible!

Learned

We learned that to be successful women, that would should work hard to achieve our goals!!!

- Evyan the Obstetrician
- Jasmine the Pediatrician / Vet.
- Graelin the Wild life Photographer
- Decresha the Doctor / Lawyer

What I learned . . .

- no project, no product, no service, no anything gets done by a single person.
- try to get involved in activities that will enable you to take leadership role.
- always keep learning even if it seems useless at the time. The application for that knowledge will come when you least expect it.
- learn to play chess, it helps you learn to strategize.

It's not to stand up for
myself and not take things
from anybody... or sure that!

Jessica Dettar +
Vet!

Beth
Smith
Doctor

Some women have trouble
balancing work and home
life - some take days off
or work less in the summer!

IN
THE
FUTURE

Mollie
Weekend

MARINE

Biologist

Hanna Nixon
Astronomer

Don't be afraid
of building
Diana M. Bussell

Go after your dreams
You can do what ever you
want to do

It's not always harder for women
to get job positions in Science careers



What we all learned . . .

- that to be successful women, that you should work hard to achieve our goals.
- never take excuses when you deserve equity.
- there's a difference between being a team player and a "go along get along".
- how to deal with prejudice against women and how to set your goals and to never give up.
- to try to stand up for myself and not take nonsense from anybody.

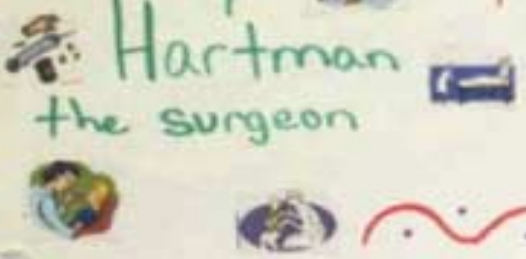
Jade Squires

the Vet



Ashley

Hartman
the surgeon



Michelle

Mabry
the Scientist



"Never take
excuses when
you deserve equity."



"You can do
anything, If you
try HARD ENOUGH"

"Follow your
Interests..."

There's a difference
between being a team
player and a "go along get along."



We learned...

How to deal with prejudice against
women, and how to set your goals
and to never give up!

Tentative career choices:

- 2 - Marine Biologists
- Lawyer
- Pediatrician
- 2 - Veterinarians
- Singer
- Actress
- Surgeon or lawyer
- Wildlife Photographer
- Biologist
- Doctor
- Astronomer
- Surgeon
- Scientist
- Fashion Designer
- Obstetrician
- Pediatrician or Vet
- Artist
- Zoologist

Buttin Crawford

Marine Biologist

Enjoy Other People and Yourself!
-Suzanne Somers

Program
1988-1991
1992-1993

IN THE FUTURE

Tiffany Johnson

Fashion Designer

Opportunities multiply as those who see them begin to act.

Katalie Snow

Don't be afraid to aim high!
-Virginia Seybold

Sonogram Rachel Carson

Urban Seashelf

Singer

Quint

I have a career plan that I will keep on track. I will be successful in my career. I will be the best thing you could see. I will be the best thing you could see. I will be the best thing you could see.

Carol

I learned not only a lot about myself but also about the future.

Michaela Morton

Actress

Do what you do best. Don't try to be better and you will not.

Be assertive, but not aggressive.

Reach for the stars.

Quotes of interest from telementors:

- Fear is that little darkroom where negatives are developed - Author Unknown
- Failure is the opportunity to begin again more intelligently - Henry Ford
- Opportunities multiply as they are seized -Sun Tzu

IN THE FUTURE...

by: Kathryn Lyons,
Alex Cook,
Shawna Robertson

10-15 YEARS FROM NOW:



WHAT WE LEARNED

MICHE
SONOLLE
DUNGAN
KEYBOARD
AMBER
ILER
JILL TARTAR
KAY DAVIS
REBECCA
YZD-CR

QUOTES

- Candy Krepel:
"Memorizing facts and formulas and the like may get you an "A" on the test...you will have to take the facts you have on hand and apply them to a situation you have never seen."
- From Rebecca Bryant:
Fear is that little darkroom where negatives are developed.
-Author Unknown
Failure is the opportunity to begin again more intelligently.
-Henry Ford

“A ship in port is safe, but that is not what ships are for. Sail out and do new things.”



Admiral Grace Hopper,
BA, MA, PhD, Yale University,
US Navy developed COBOL
computer language.