Reaching New Heights

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My Story

• My childhood
• Start of a dream
• The effect of empowerment
• The long journey
• The importance of perseverance
Ms. Young’s First and Second Grade Class

Antenna Ops

Ms. Young
My Father’s Recipe to Success

- Define your goal
- Recognize how far you are from it
- Create a roadmap to get there
- Education is key
- Develop a strong work ethic
- Persevere, never give up!
The X-ray laser program at Lawrence Livermore National Laboratory

Artist rendition of an X-ray laser
Innovation Creates Opportunities

Co-developed the first full-field digital mammography system.
Being strategic with your career

Megatons to Megawatts
Implementing HEU Transparency Measures

The actual quantity of HEU already processed and the amounts projected for processing by 2001. To date, sixty (60) metric tons of HEU from dismantled Russian nuclear weapons have been downblended to LEU. According to the IAEA's definition of a significant quantity (1987 IAEA safeguards glossary), this would be enough to make approximately 2,400 nuclear explosive devices.
Composite Overwrap Pressure Vessels

- Accelerated Life Cycle Testing at White Sands
- Burst and Leak Before Burst testing
Getting Selected to the 19th Class of NASA Astronauts:
Be Careful what You Wish For!
Pilot Training
Water and Cold Weather Survival Training
Wilderness Survival Training
Training as an Astronaut

NASA Extreme Environment Mission Operations (NEEMO)
Getting ready to go to space
Just remember that whatever it is you are doing, don’t be afraid to enjoy the journey!

With my son on a Zero G Flight

Zero G Training on the KC-135 Vomit Comet
Coming Full Circle

How it started
14 years ago

How it's going

TierraLunaCellars.com
Order Wine at:
tierralunacellars.com
Order Books at:
tierralunaengineering.com
Alejandra Márquez Abella directs Biopic of Mexican American Astronaut, Michael Peña plays lead role
A Million Miles Away – Movie Trailer

https://youtu.be/J-HcUuiLzR8?si=nV7RI5V0QFPm-Dsv
3 Element Strategy to Reaching Your Goal

Know the minimum requirements

Compare yourself to people you want to be like

Differentiate yourself from the competition
THANK YOU