





# What Scientists Do

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# Get a clear understanding of how things work.

- Assess and evaluate
- Create new knowledge
- Teach/communicate
- Applied versus theoretical work
- Experimental work

# What do you do?

- Need very detailed understanding of specific discipline we know a lot now and to be at the cutting edge you have to learn the foundations well
- Generally advances are coming at the boundaries of disciplines. Need understanding of several disciplines.
- People work in groups now communication is very important
- Generally a scientist works to understand a problem and someone else - a doctor or an engineer fixes the problem



# What Kinds of Jobs are Available?

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#### BS/MS

- Evaluate existing situations environment, medical, psychology, etc.
- Laboratory investigations working with PhD/MD
- Teaching K-12

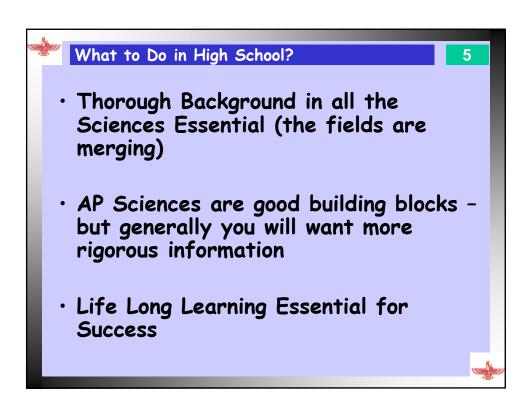
## PhD

### Academia

- Research organizations
  - Government Labs
  - Industrial Labs
  - · Independent consulting
  - · PhD with MD, MBA, JD
- Public Policy

There will be MANY Opportunities if you have done well.









### Janet K. Allen



Work: 405-550-3969 Home: 405-527-0998 Janet.allen@ou.edu http://www.srl.gatech.ed u/Members/jallen Dr. Janet K. Allen holds the John and Mary Moore Chair in Industrial Engineering at the University of Oklahoma, Norman. Her specialty is mechanical engineering design, especially in design and simulation. She also has a strong interested in the design-manufacture of evolving open systems and resource management. Dr. Allen received her Ph.D. in biophysics from the University of California, Berkeley, and her S.B. from MIT in life science; she is the author/co-author of more than 200 publications - two thirds are refereed. She is a Fellow of the American Society of Mechanical Engineers; Fellow of the American Heart Association and Fellow of the Council on Arteriosclerosis; Senior Member, American Institute of Aeronautics and Astronautics.

