Innovation
Innovation

exploiting new ideas leading to a new product or method
(a change in the thought process for doing something)
innovation requires whole-brain thinking:

• right-brain imagination and creativity
• left-brain logic and planning
how can we foster/teach innovation?
Think of something you are good at — something you know you do well — and that has played an important role in the advancement of your career.
Think of something you are good at — something you *know* you do well — and that has played an important role in the advancement of your career.

*How did you become good at this?*
Innovation

Became good at it by:

- practicing
- doing it
- trial and error
- getting it wrong at first and learning from mistakes
Innovation

Probably NOT by:

• being trained
• being taught
• listening to experts
• reading about it
Think of the most exciting research advance (discovery?) you have made to date.
Think of the most exciting research advance (discovery?) you have made to date.

What were the circumstances that led to this advance?
Did you apply for funding (for “transformative” research) before this advance/discovery, or afterwards?

1. before
2. afterwards
Nobel Prize in Physics 2010

Innovation
Innovation

Nobel Prize in Physics 2010
Ig Nobel Prize in 2000
“For me it’s very boring to work on the same thing year after year...”
“For me it’s very boring to work on the same thing year after year...”

graphene resulted from

“Friday night experiments where you try something very elementary and try to go in another direction”
For a copy of these slides:

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