





'Genius is 1% inspiration, and 99% perspiration'
- Thomas Edison

Break Through #FSHP2018 Branch Out

To have a great idea, have a lot of them.

Thomas A. Edison

Break Through

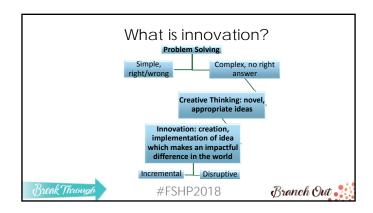
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Branch Out

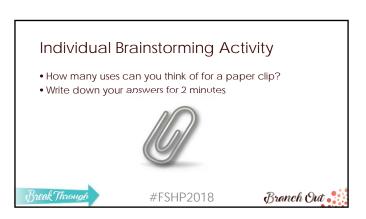
Common paradigms People are born creative ~80% of creativity can be learned and acquired Creativity is a trait Set of behaviors Good ideas come from a flash of insight Only after cognitive effort and then incubation I only have to be creative occasionally Innovators practice their skills everyday Innovators are Steve Jobs, Mark Zuckerberg, Thomas Edison. $\textit{Most innovations come from } \underline{\textit{teams}}. \ \textit{Doesn't have to be tech}.$ Sawyer K. Zig Zag: the surprising path to greater creativity. 2013 Break Through

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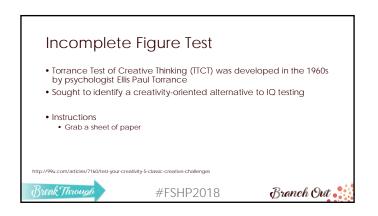
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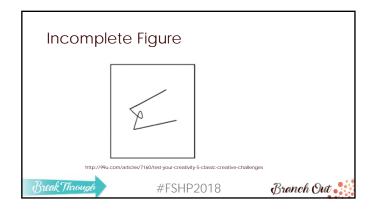


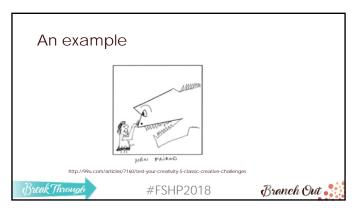


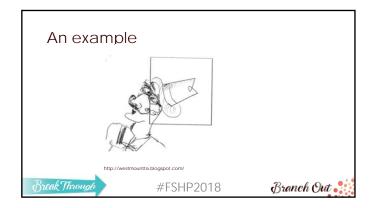


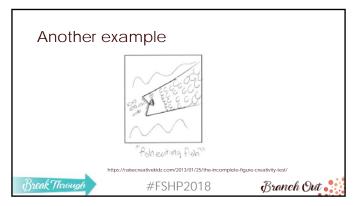


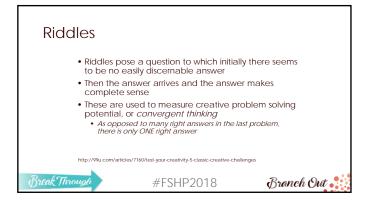


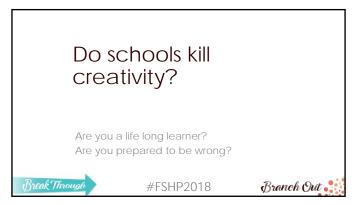












Creative Confidence

- Creativity is the most sought after trait in leaders today
- Due to education and social norms, many of us have lost our creativity
- Fears that hold back our creativity
 - Fear of messy unknown
 - Fear of being judged
 - Fear of the first step
 Fear of losing control
- Following certain steps can unlock creativity and will help you develop other facets of your life

Kelley T and Kelley T. Reclaim your creative confidence. *Harvard Business Review*. December 2012



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Innovation Break Through #FSHP2018 Branch Out ...

Innovation

- Definition: the act or process of introducing new ideas, devices, or methods
- "Without change there is no innovation, creativity, or incentive for improvement. Those who initiate change will have a better opportunity to manage the change that is inevitable."

-William Pollard

www.brainyquote.com; www.Merriam-webster.com

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Innovators DNA

- Interviewed innovative entrepreneurs
 - Understand how they developed their successful ideas
 - Contrast them to other executives
- In the most innovative companies, senior executives do the creating themselves it is not delegated
- CEOs of most innovative companies spend 50% more time on specific activities than do others
- ❖ Innovation can be taught and developed it is not inherent

Dyers, J. H., Gregerson, H. B., & Christensen, C. A. (2011). Innovators DNA. New York: Harvard Business Review.

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Innovators DNA

- Associating
 - Ability to connect unrelated issues from central fields
 - Connections are easier to make the more diverse our knowledge and experience is
 - The more ones tried to learn new and diverse information, the easier associating becomes
- Questioning
 - Frequently ask questions to challenge status quo
 - Questions to ask are: why, why not, and what if?
 - Thinking about different alternatives leads to discoveries

Dyers, J. H., Gregerson, H. B., & Christensen, C. A. (2011). Innovators DNA. New York: Harvard Business Review.



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Innovators DNA

- Observing
 - Preferred to do this to understand your customer needs
 - Make sure to also observe current operational practices
 - Minor details might be the most important
- Experimenting
 - Need to create interactive experiences and prototypes
- This process allows for a better understanding of the product's strengths and weaknesses
- Networking
- Consciously meet new people have new experiences

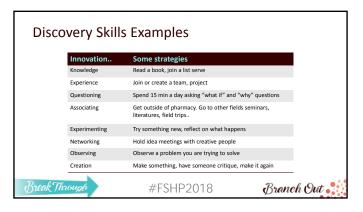
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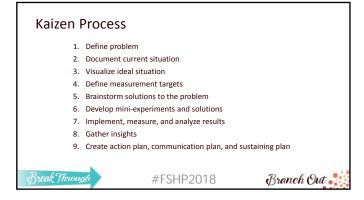
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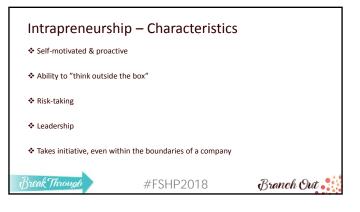








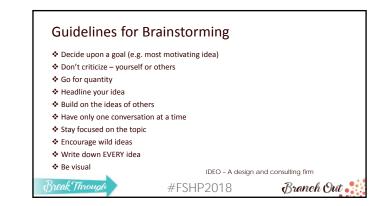








Starting Innovation and Intrapreneurship Find areas needing improvement Continual complaints or need of service recovery Frequent discussion topics Understand from other industries strategies for success Creatively think of ways to make it better Do this away from work and busy activities Allow for free association and don't stop after a few good ideas Test your ideas and refine as needed Don't be afraid of failure or conformity of ideas to tradition Continue to refine and share widely Branch Out



Innovation opportunities within pharmacy

- Medications, devices, and information systems
 - New drugs or delivery (traditional pharmaceutical sciences)
 - · Computer programs and other information system improvements
- Practice models
 - New ways to utilize pharmacists
 - Innovative business models to justify activities
- Pharmacy residency
 - Unique ways to justify new positions
- Developing novel methods to train
- Creating standards of care
 - Working within the state / nationally to take new activities and disseminate them to other settings (implementation sciences)



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Intrapreneurship within Health-System Pharmacy

- Creation of a business plan for new pharmacy services
 - Allows for leveraging new resources
 - Requires accountability and return on investment
- ❖ Identification of better ways to operationalize services
 - · Utilizes creativity to identify novel methods
 - Requires to organize people and processes for impact
- Seeking improved ways to manage departmental finances
 - Creating an agile department that can take advantage of new opportunities and pivot as necessary
- Depending on what is the solution, always consider intellectual property opportunities and publication

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Strategies to Overcome Current Problems

- Embrace the opportunity mindset
- Become an assumption assaulter
- Think ahead of the curve
- Cultivate the culture
- ❖ Fortify the idea factory
- "Innovation is everybody's business"

Robert B. Tucker - AACP 2016



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Conclusions

- Creativity, innovation and intrapreneurship are skills that are as important today in health care than ever before
- Each of us can be creative and innovative in mindset and actions
- Innovation is a skill we need to utilize in our schools of pharmacy and profession (be an example first)
- We need to share as there is so much we can learn from each other.
 - No one has the corner on innovation and innovative ideas

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Recommended Readings

- ❖ Ten Types of Innovation Larry Keely
- 101 Design Methods Vijay Kumar
- Group Genius / Zig Zag Keith Sawyer
- Innovators Prescription Clayton Christensen
- Business Model Generation / Value Proposition Design Osterwalder
- Creative Confidence Kelley and Kelley
- Innovation and Entrepreneurship Peter Drucker
- ❖ Diffusion of Innovations Everett Rogers
- The Tipping Point / Outliers Malcolm Gladwell

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