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What is(are) your expectation(s) from today lecture?













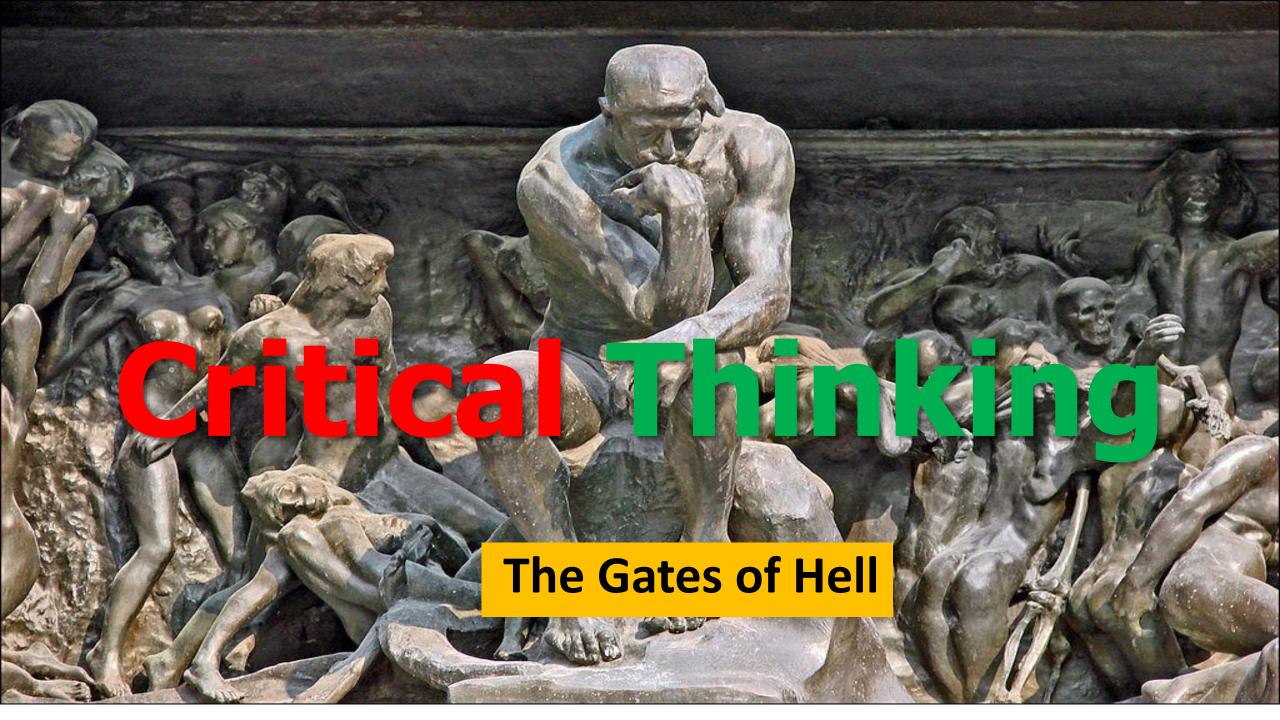


Education Technology Expert Alan November has included Empathy as Number One In His Surveys

Are They Really Ready To Work: (Employer's Perspectives on the Basic Knowledge and Applied Skills of New Entrants to the 21st Century U.S.Workforce.)

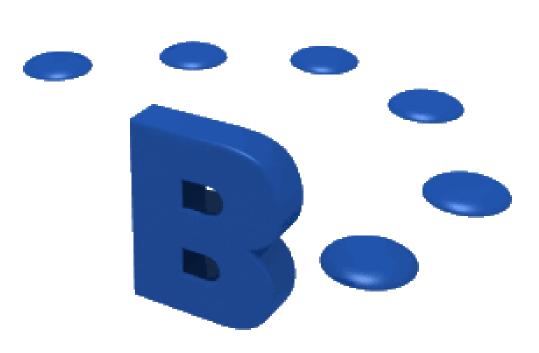


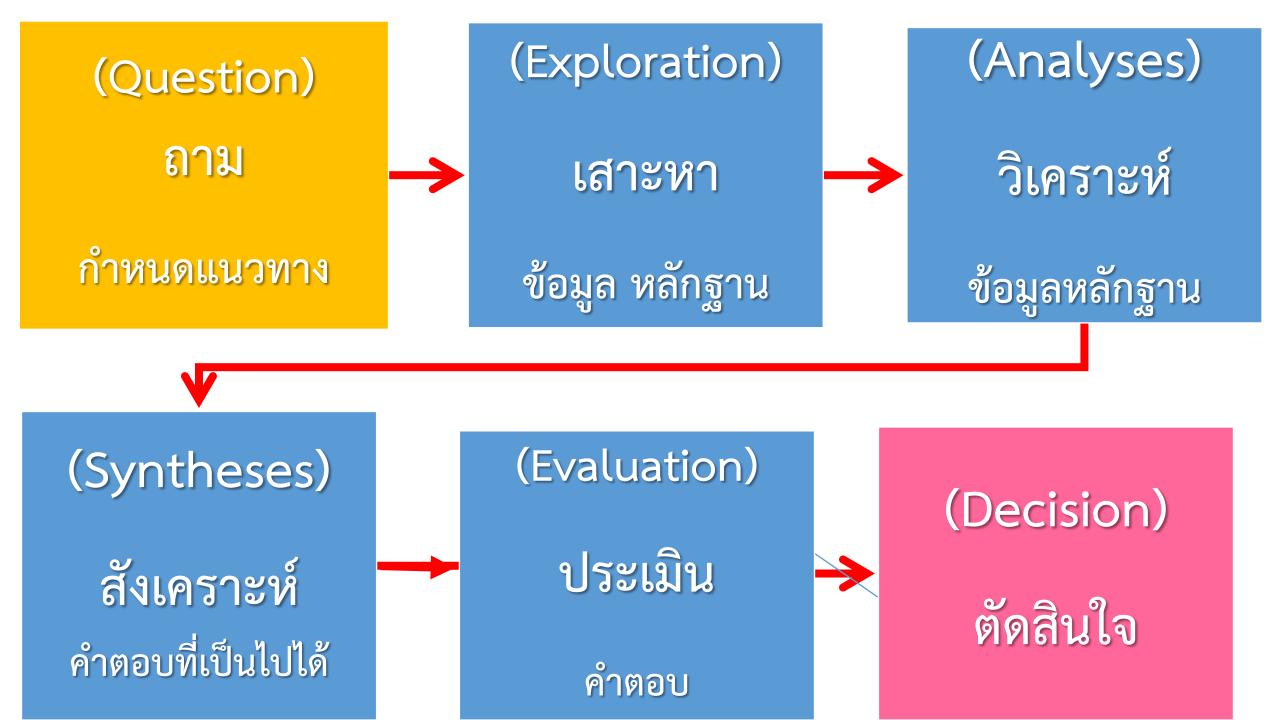
2 I centuryedtech web site provides total ranking





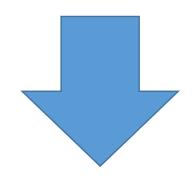
What made you decide to become a student here?





Critical Thinking isn't just "Thinking a lot"

Critical Thinking



"Thinking about Thinking"

All About Questions!



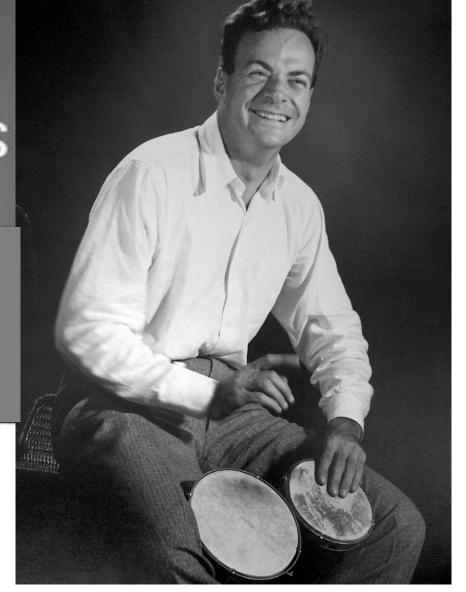
Thinking is not driven by answers but by questions



Dead Questions Reflect Dead Mind

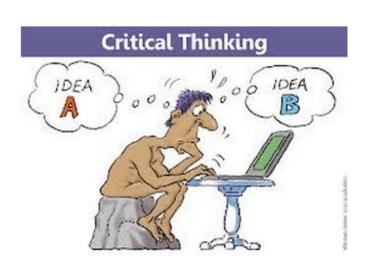
I WOULD RATHER HAVE
QUESTIONS THAT CAN'T BE
ANSWERED THAN ANSWERS
WHICH CAN'T BE
QUESTIONED.
- RICHARD FEYNMAN

CODLESSMOM.COM



Received the Nobel Prize in Physics in 1965

Why is critical thinking important to?



Workplace

Society

Student learning

What Is The Biggest Thinking Problem

1. Do Not Want to Think









3. Can Think But No More Action



Most Used Critical Thinking Skills

ACTIVITY





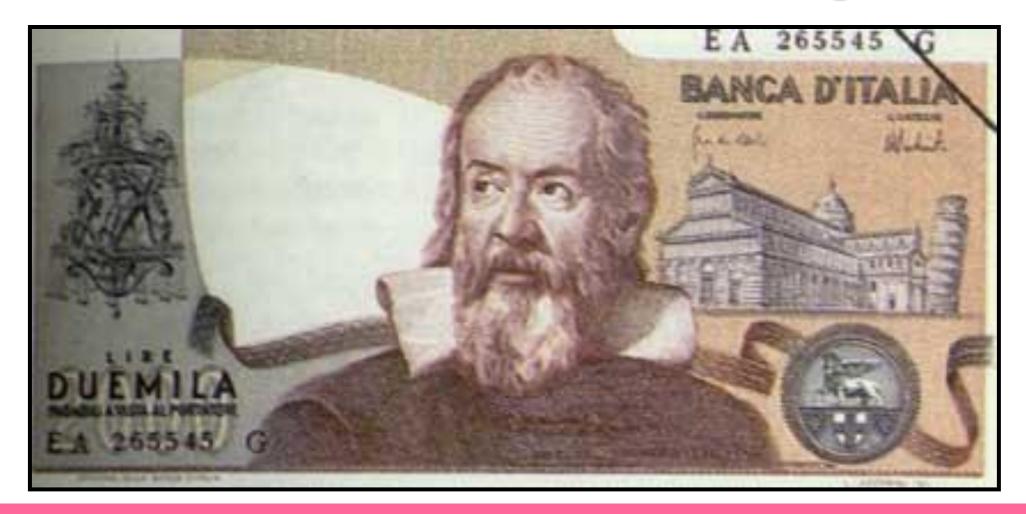








Galileo – The Price of Thinking



Galileo was deemed a heretic for claiming the earth revolved around the sun. He was held under house arrest by the Holy Inquisition for his last ten years.

How to promote or foster critical thinking skill?

How can we develop as critical thinkers?

How can we help ourselves and our students to practice better thinking in everyday life?

How Do You Make People Laugh and Think and Learn

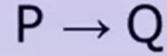


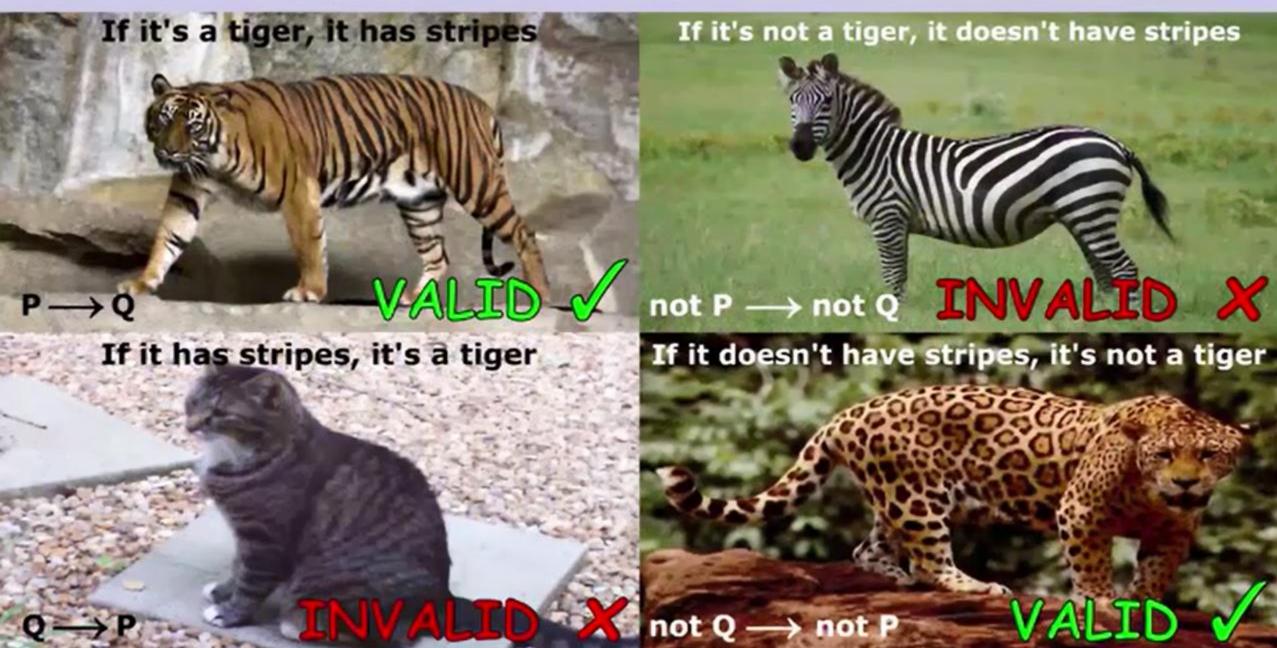
TIGER





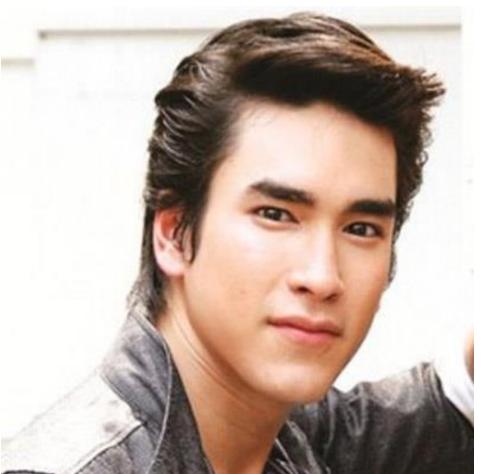
All tigers have stripes







Story Of Us





เลื้อกล้ามน้ำซีทรูสิครีม จาก The Dock (450 บาท)

Situation

- Nadate and Yaya were in the same math class.
- Their teacher returned the tests she had graded.
- When they saw their grades, Nadate smiled,
- but Yaya looked unhappy.
- The teacher said that <u>many students had received low</u> grades, and she hoped they would study more for the next test.

Read each question and mark the BEST answer on the answer sheet.

1. Based on this story, what is **MOST LIKELY** to be true?

a. Nadate received a better grade on the test than Yaya did.

b. Nadate usually receives better grades than Yaya in math.

c. Yaya had expected to do better on the test than she did.

d. Yaya did not do as well on the test as she would have liked.

2 What does the teacher believe?

a. Studying helps students do well on math tests.

b. Many students did not study for the test.

c. None of the students studied enough for the test.

d. Students cannot do well in math without studying.

Life Is Like a Project Based Learning

Education is not preparation for life; education is life itself. -John Dewey

THE CRITICAL THINKING COMMUNITY

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Critical Thinking in Everyday Life: 9 Strategies

Developing as Rational Persons: Viewing Our Development in Stages

How to Study and Learn (Part One)

How to Study and Learn (Part Two)

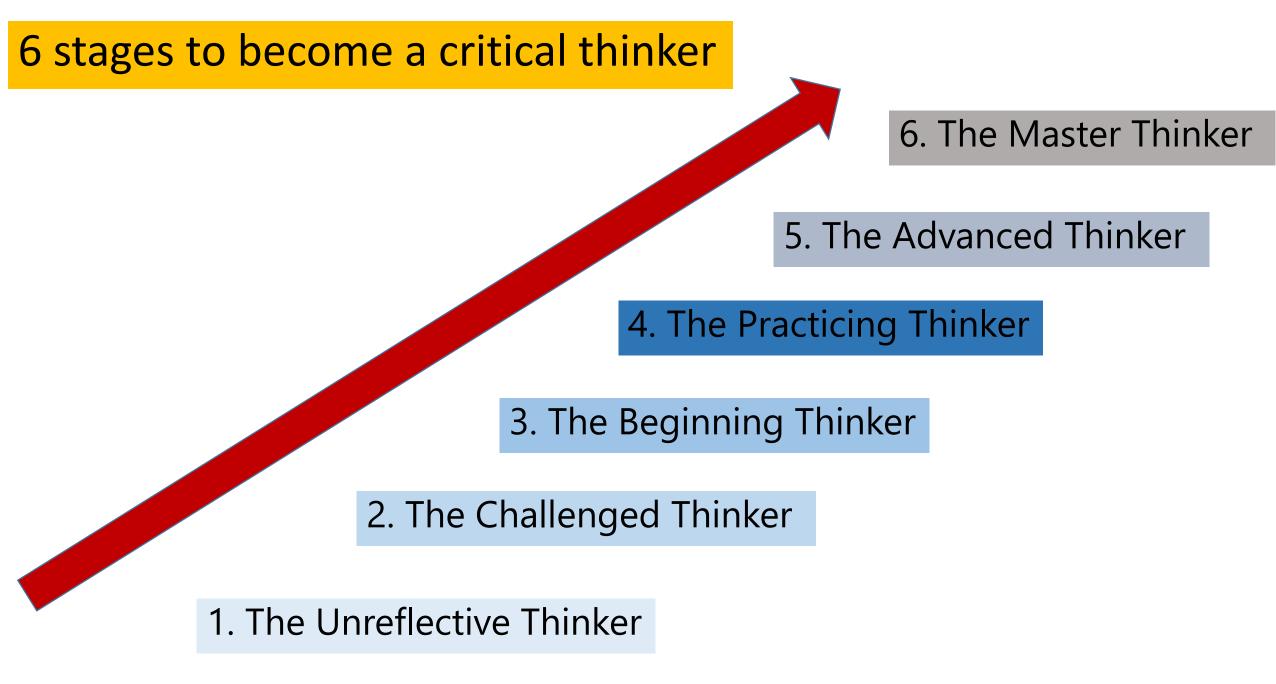


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Critical Thinking in Everyday Life: 9 Strategies

Most of us are not what we could be. We are less. We have great capacity. But most of it is dormant; most is undeveloped. Improvement in thinking is like improvement in basketball, in ballet, or in playing the saxophone. It is unlikely to take place in the absence of a conscious commitment to learn. As long as we take our thinking for granted, we don't do the work required for improvement.

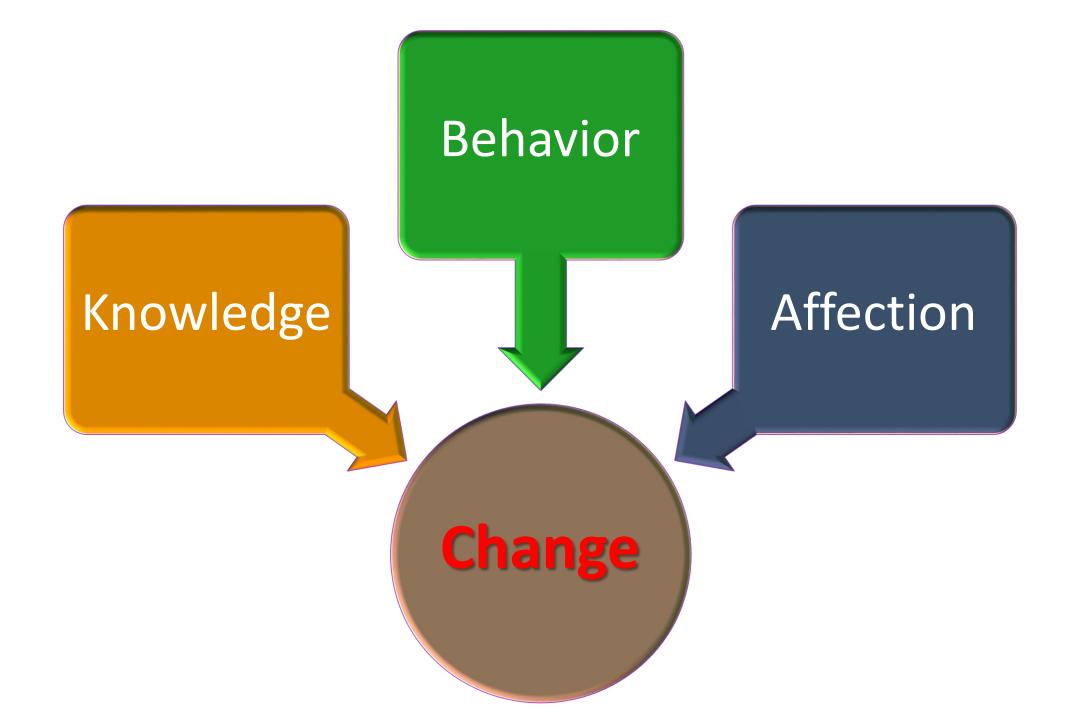
Development in thinking requires a gradual process requiring plateaus of learning and just plain hard work. It is not possible to become an excellent thinker simply because one wills it. Changing one's habits of thought is a long-range project, happening over years, not weeks or months. The essential traits of a critical thinker require an extended period of development.



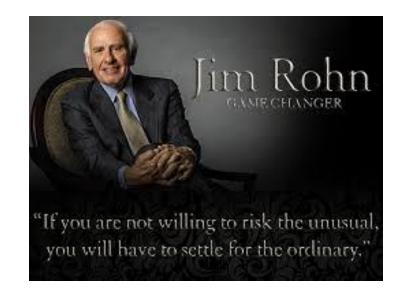


Teaching # Learning

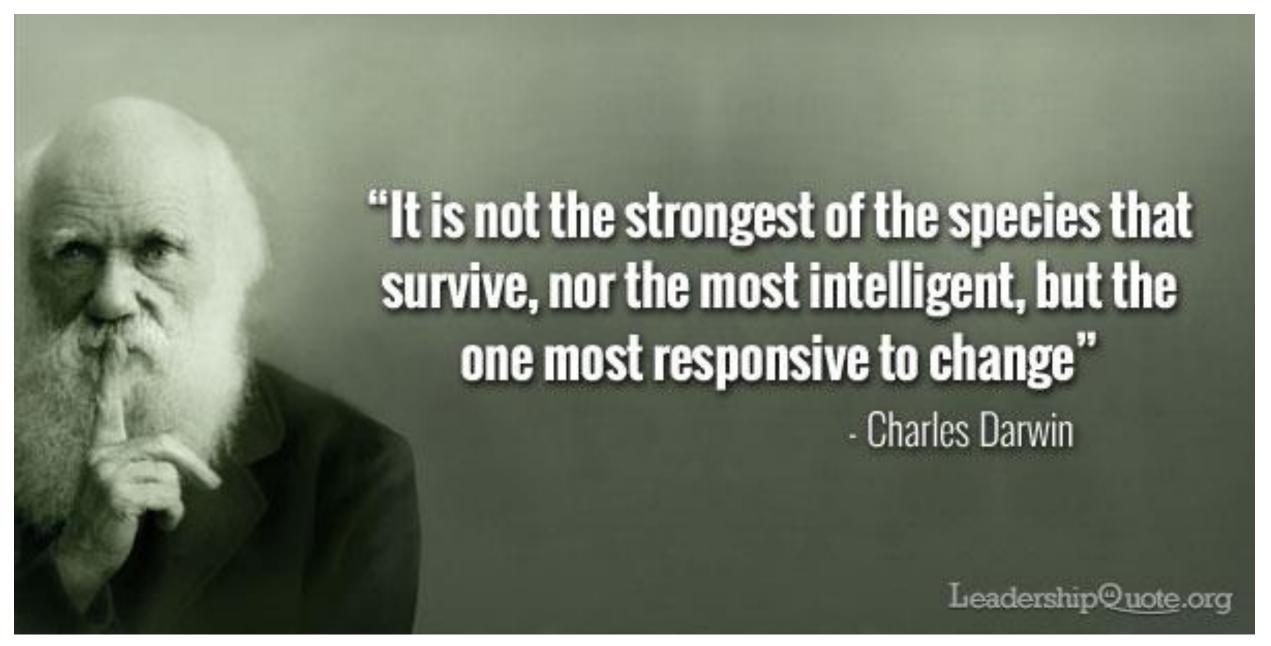
Learning = Change

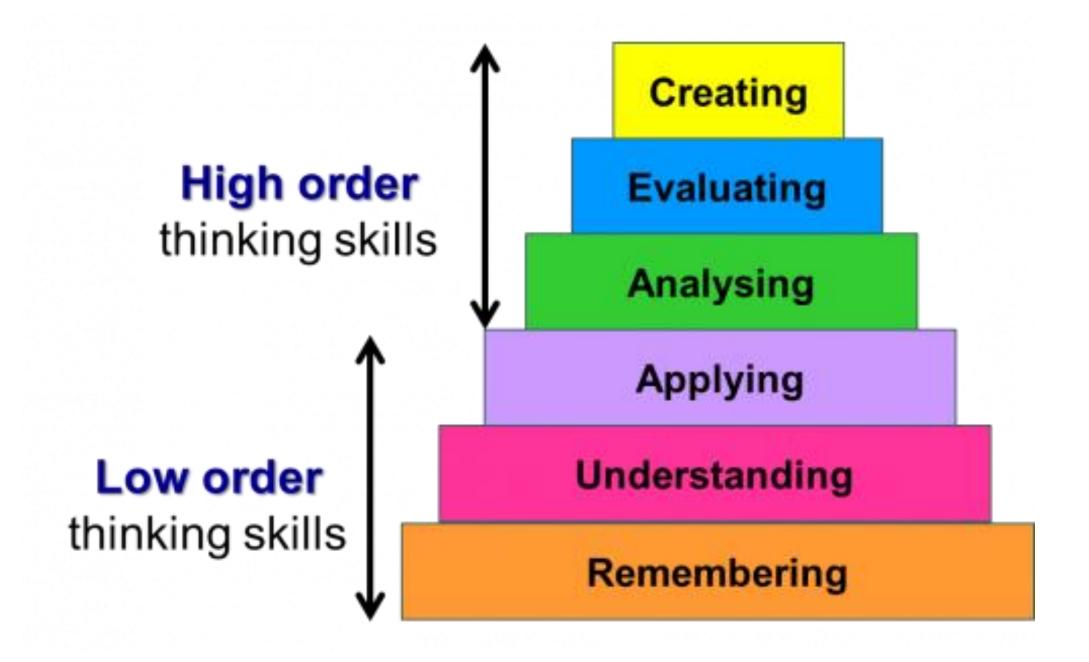


"YOUR LIFE DOES NOT GET BETTER BY CHANCE, IT GETS BETTER BY CHANGE."







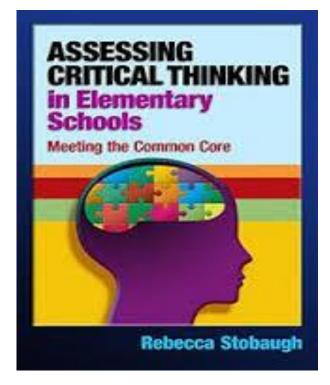


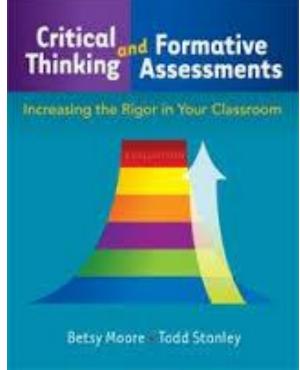
How to Teach Students to Evaluate Information: A Key Common Core Skill

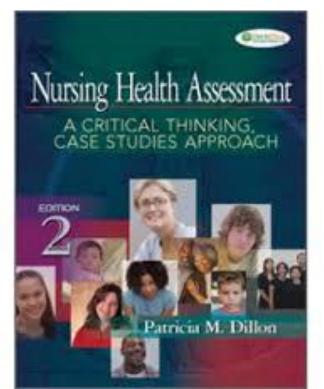


By Rebecca Stobaugh









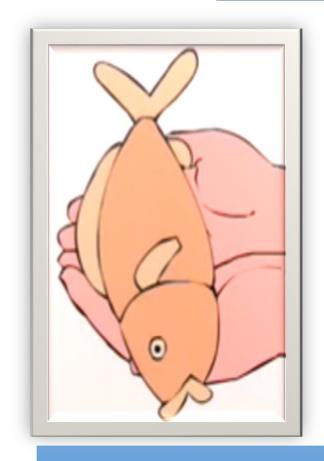
Give someone a fish and they'll eat that day.

Teach them how to catch a fish and they'll never go hungry.





Learning Skills



Dependence



Self-Reliance

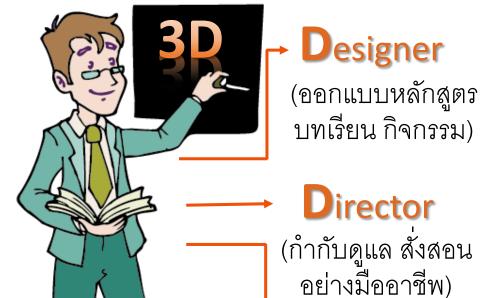


Let's try teaching children how to think instead of what to think.

ครูพันธุ์ใหม่

VS

นักเรียนพันธุ์เหมาะ



→ Doctor

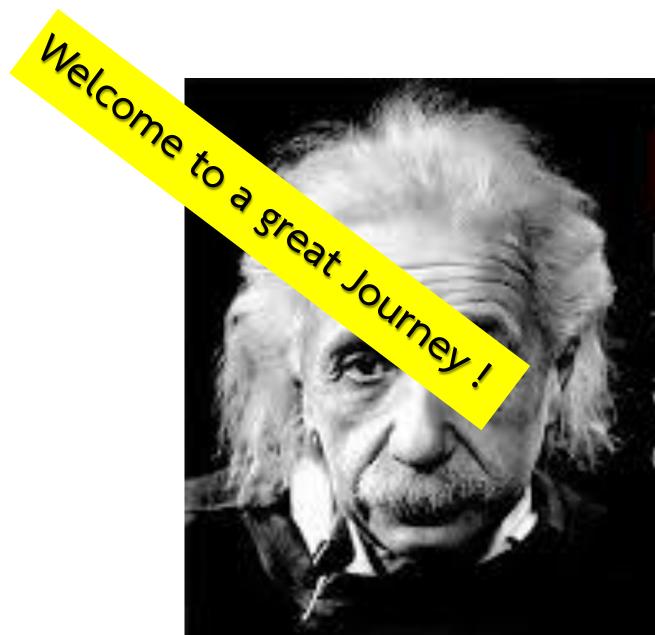
(วินิจฉัย วิเคราะห์ ประเมิน และให้การบำบัดผู้เรียนได้ ถูกต้องเหมาะสม)

Creative: จิราพร ธารแผ้ว

Idea: วรรณพงษ์ เตรียมโพธิ์



สถาบันนวัตกรรมการเรียนรู้



Doing the same thing over and over again and expecting different results.

Albert Einstein