Critical thinking

Martina Kurowski

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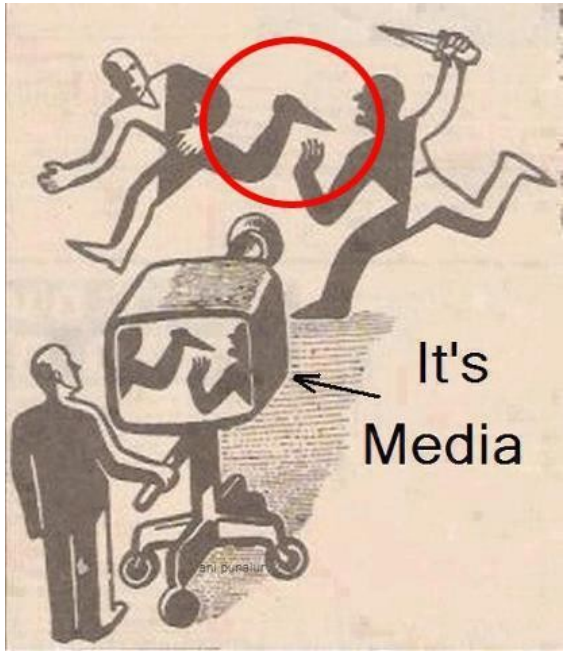
„The problem ain't what people know. It's what people know that ain't so that's the problem.”



Will Rogers

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity

Source: Future of Jobs Report, World Economic Forum

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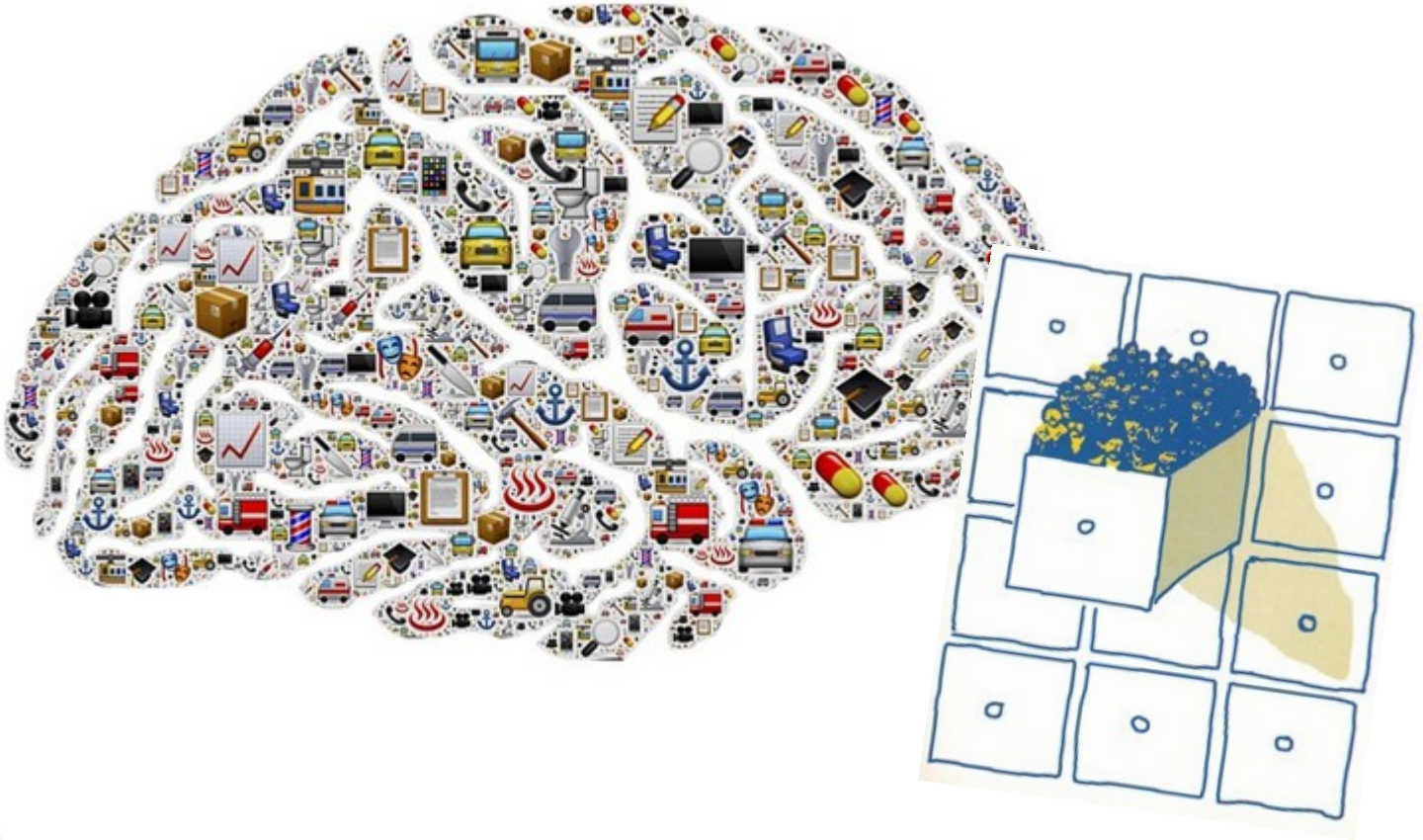
"YOU DON'T HAVE
TO KNOW A LOT"

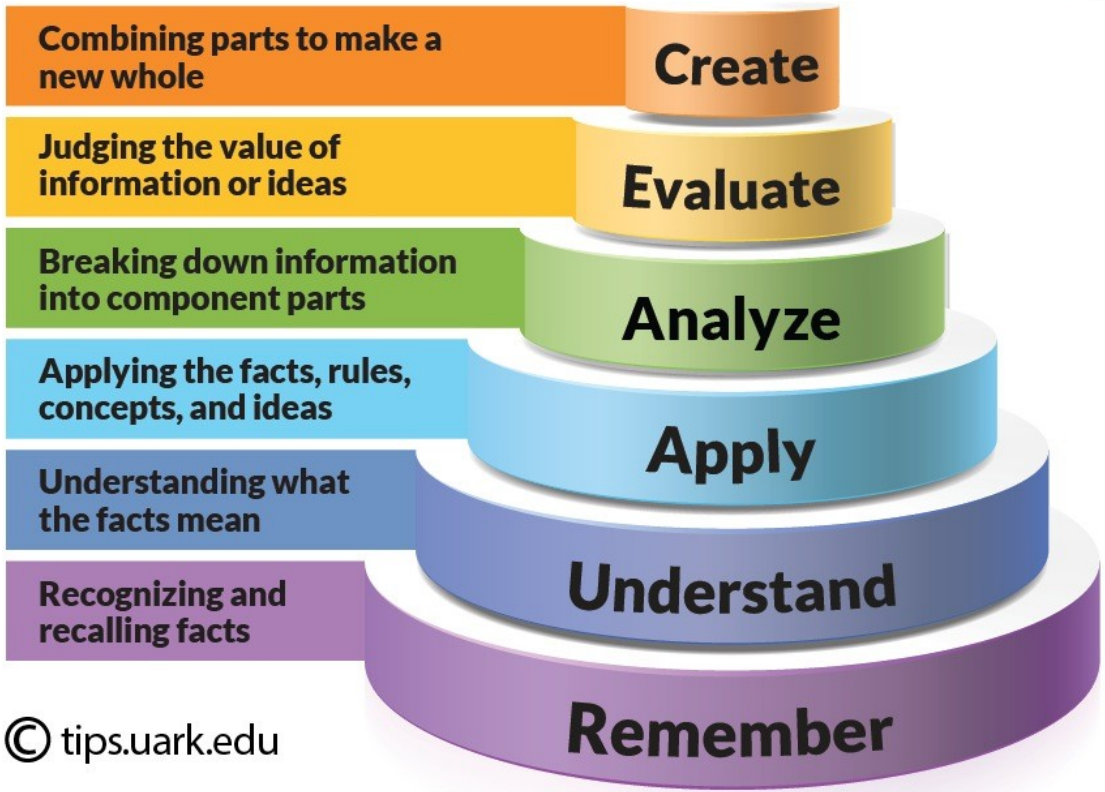
Critical thinking

- Independent
- Facts are crucial
- Is based on questions, issue solving
- Looks for arguments and reasoning
- Social – sharing with others

Optimal conditions for the CT development



Framework of cognitive goals



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Cognitive biases

“The fundamental cause of the trouble is that in the modern world the stupid are cocksure while the intelligent are full of doubt.”

Bertrand Russel

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TEDEd
WHY
INCOMPETENT
PEOPLE
THINK THEY'RE
AMAZING

Methods of active learning

- Reading and Writing for Critical Thinking (RWCT)
- Experiential learning (Kolb's experiential learning theory)
- Drama education
- Philosophy for children (p4c, M. Lipman)

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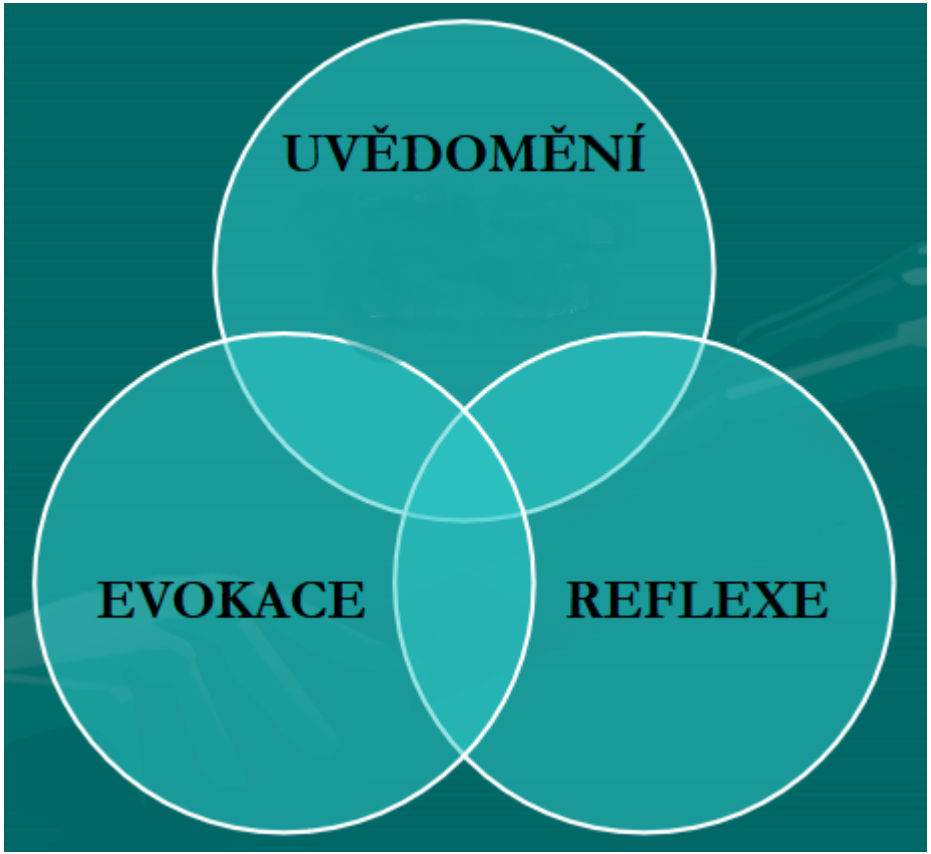
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The Ultimate Cheatsheet for Critical Thinking

Want to exercise critical thinking skills? Ask these questions whenever you discover or discuss new information. These are broad and versatile questions that have limitless applications!

Who	… benefits from this? … is this harmful to? … makes decisions about this? … is most directly affected?	… have you also heard discuss this? … would be the best person to consult? … will be the key people in this? … deserves recognition for this?
What	… are the strengths/weaknesses? … is another perspective? … is another alternative? … would be a counter-argument?	… is the best/worst case scenario? … is most/least important? … can we do to make a positive change? … is getting in the way of our action?
Where	… would we see this in the real world? … are there similar concepts/situations? … is there the most need for this? … in the world would this be a problem?	… can we get more information? … do we go for help with this? … will this idea take us? … are the areas for improvement?
When	… is this acceptable/unacceptable? … would this benefit our society? … would this cause a problem? … is the best time to take action?	… will we know we've succeeded? … has this played a part in our history? … can we expect this to change? … should we ask for help with this?
Why	… is this a problem/challenge? … is it relevant to me/others? … is this the best/worst scenario? … are people influenced by this?	… should people know about this? … has it been this way for so long? … have we allowed this to happen? … is there a need for this today?
How	… is this similar to _____? … does this disrupt things? … do we know the truth about this? … will we approach this safely?	… does this benefit us/others? … does this harm us/others? … do we see this in the future? … can we change this for our good?

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Vhodné odkazy

www.debate.org

www.criticalthinking.org

www.teachthought.com

https://skeptoid.com/

https://globaldigitalcitizen.org/

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