

Critical Thinking Tools

1. Stakeholder Analysis
2. Brainstorming
3. Pro & Con Analysis
4. Emotion & Logic
5. Slippery Slope
6. Process & Results
7. Desire for Consistency

Critical Thinking Tool #1: Stakeholder Analysis

What is a stakeholder?

...A stakeholder is someone who "cares"

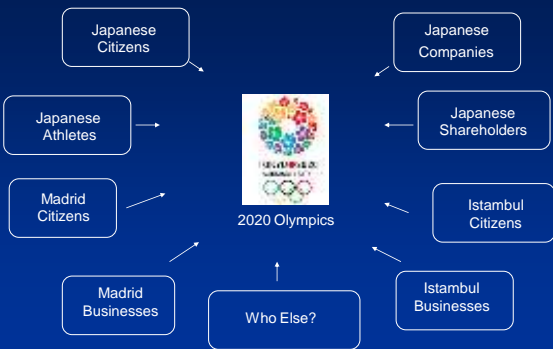


Parents are stakeholders



Business owners (stockholders) are stakeholders

Critical Thinking Tool #1: Who are Stakeholders?



Critical Thinking Tool #2: Brainstorming



(Group Critical Thinking)

Brainstorming Rules



#1 Withhold Judgment of Others



#2 Encourage Wild and "Crazy" Ideas



#3 Quantity Counts not Quality



#4 Build on Others' Ideas

Use **old ideas** in new contexts 新しい分野

old ideas new context



Pie Pans, College Students, Bakery アルバイト

Hint?

Frisbee

#4 Build on Others Ideas

Build = New Relationships, Fresh Combinations, etc.

Luggage (1970)...



+



#4 Build on Others Ideas 2nd Example

Build = New Relationships, Fresh Combinations, etc.

America...



Japan...



#5 Every Person & Every Idea Has Equal Worth

Create a **collaborative** atmosphere 協力感じ



Use phrases like...

"What is your feeling on..."
 "So how are we doing..."
 "Are we on the right track?"
 "Are we missing something?"

#6 Be Visual

At Google...



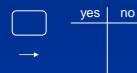
High tech...



Low tech...



Use Diagrams, boxes, arrows, tables, etc.



Reference...



Critical Thinking Tool #3: Pro & Con
(seeing opposite viewpoint)

yes	no
1.	1.
2.	2.
.	.
.	.

Critical Thinking Tool: Pro & Con

Should Parking on Campus be Pro-Rated Based on Salary Levels?

yes	no
1. Professors make more money. So they should pay more. Students & staff make less. So they should pay less.	1. It would be complex to administer because different people with different income levels would have different fees.
2. Often students & staff have to carry more. So they should park nearer to school.	2. If some people paid less, it would decrease overall revenue for the university.
	3. Faculty deserve respect. So they should not be financially discriminated against.

Barbara Mills, Teaching and Learning Center, University of Texas at San Antonio, <http://www.utasa.edu/tlc/>

Critical Thinking Tool: Pro & Con
(seeing opposite viewpoint)



Critical Thinking Tool #4: Separate Emotion from Logic



Feeling

Thinking

Emotional

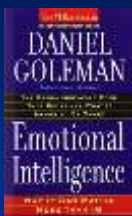
Logical

Your "Heart"

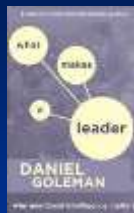
Your "Brain"



Critical Thinking Tool #3: Emotional Intelligence



1995
original book



2011
Harvard Business Review

Critical Thinking Tool #5:
"Slippery Slope"

