



**Deliberate  
Creativity & Innovation**  
**Upgrade Your Neck-Top Computer®**

# Parallel Thinking



Developed by  
**Bill Jarrard & Jennifer Goddard**  
**Mindwerx International**

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**Ideas for Action....**

**Mindwerx International Pty Ltd**  
PO Box 3588, Helensvale. QLD 4212 Australia  
Phone: 1800 060 982 +61 419 645 299 E-mail: [bill@mindwerx.com](mailto:bill@mindwerx.com)  
**[mindwerx.com](http://mindwerx.com)      [buzan.com.au](http://buzan.com.au)      [fuzz2buzz.com](http://fuzz2buzz.com)**

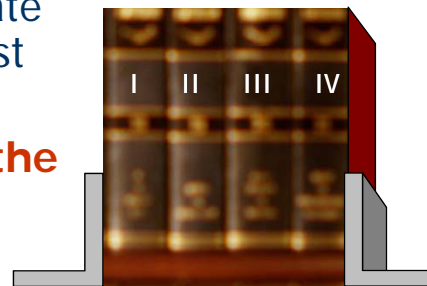


## Book Worm

- There are four volumes of Shakespeare on the shelf.
- The pages of each volume are exactly 50mm thick.
- The covers are each 5mm thick.
- A bookworm started eating at page 1 of Volume 1 and ate straight through to the last page in Volume IV.



**What distance did the worm cover?**



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## Why Parallel Thinking?

### Have you ever...

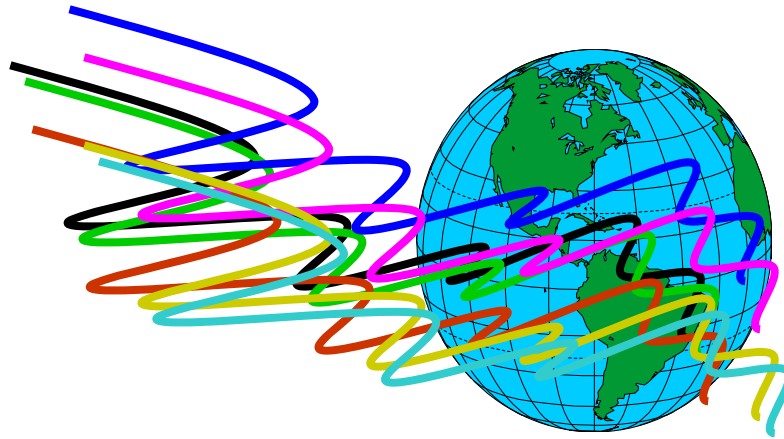
- Been in a 15 minute meeting – for 2 hours
- Made a decision you wish later you had thought about a bit more
- Had problems seeing other points of view
- Or getting other people to see your's
- Wished your team worked better together
- Been embarrassed by a lack of creativity

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## The Revolutionary Nature...



## of Parallel Thinking

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## Why Change Thinking Behaviour?

- We have excellent mathematics and statistics
- Technology is progressing rapidly
- But... Thinking hasn't changed much in over 2000 years

### Why? Historical Background

- Gang of Three
- Western Thinking dominated by concepts of 'Argument' and 'Critical Thinking'



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## Current Thinking is Inadequate

- ✘ Lacks constructive energy
- ✘ Little design or creativity
- ✘ Limited to our experience
- ✘ *Adversarial*



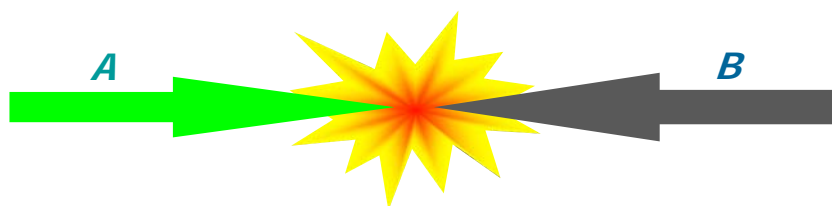
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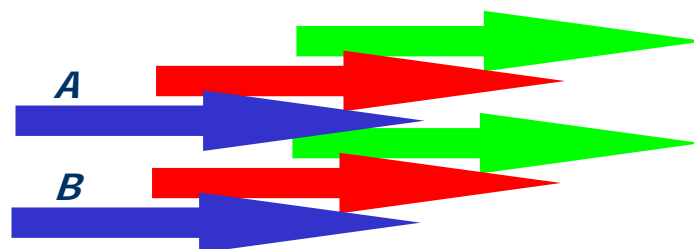
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## *ADVERSARIAL THINKING*



## PARALLEL THINKING



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## Tools for parallel thinking



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## Edward de Bono's Six Thinking Hats®

### Parallel thinking for...

- Great team collaboration
- Thorough exploration of any situation
- Creative problem solving & process improvement
- Better faster more confident decision making



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# SIX THINKING HATS

## A Framework that:

- ✓ Explores a subject from several angles and perspectives
- ✓ Directs thinking in targeted discrete segments
- ✓ Switches the mode of thinking
- ✓ Separates ego from performance
- ✓ Fosters a shift in perception to promote creative thinking

Great for  
individual or  
team thinking



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de Bono's Six Thinking Hats®



## Edward de Bono's Six Thinking Hats®



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## Other Tools for Parallel Thinking

- **SWOT and PEST**
- **Positive, Negative, Interesting**
- **Herrmann Problem walk-around**
- **MBTI - Z Model (O.P.V.)**
- **I P P C O**
- **Others?...**

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**What tools have you used that could be using in a Parallel Thinking manner?**



# SWOT/TOWS

## A Parallel Thinking Approach

	<b>S</b> <small>DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk</small>	<b>W</b> <small>DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk</small>
<b>O</b> <small>DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk</small>	<b>Strategies...</b> 1. Develop 2. Improve 3. Create 4. Innovate	<b>Strategies...</b> 1. Develop 2. Improve 3. Create 4. Innovate
<b>T</b> <small>DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk DakskhDHSJHdsk</small>	<b>Strategies...</b> 1. Develop 2. Improve 3. Create 4. Innovate	<b>Strategies...</b> 1. Develop 2. Improve 3. Create 4. Innovate



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# Positive, Negative, Interesting



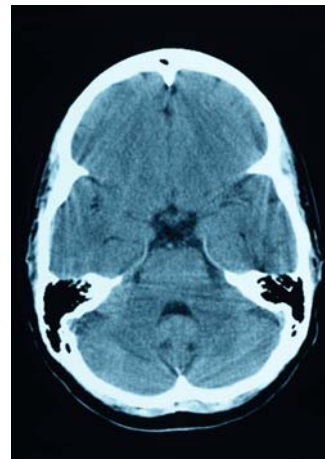
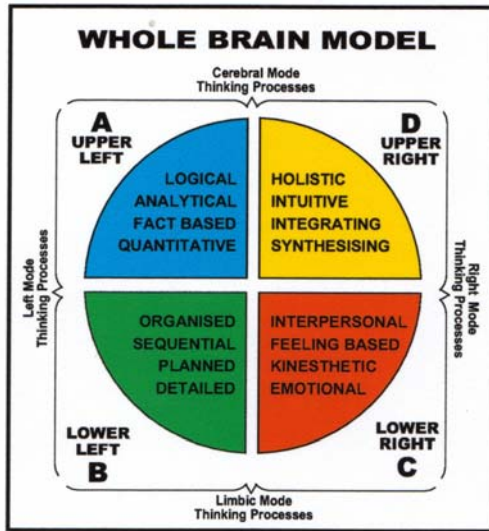
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# Herrmann Brain Dominance



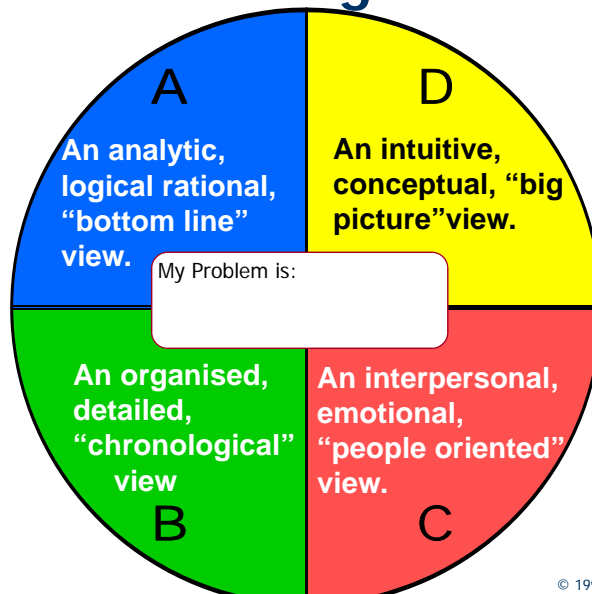
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# The Herrmann Problem Solving Walk-Around



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## MBTI Z-Model

Views from Personality Preferences



O P V



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## IPPCO

For Fast Effective Opportunity Evaluation

- **Information?**  
What information is available or needed?
- **Pluses?**  
What are the pluses, benefits, value?
- **Potentials?**  
If done WHAT ELSE might it lead to?
- **Concerns?**  
What drawbacks, weaknesses, risks?
- **Overcome how?**  
How to address, mitigate, overcome concerns?



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Adapted from Creative Problem Solving Institute,  
Creative Education Foundation, University of Buffalo