

References

Tools



Design Thinking



**Questions Of Critical Thinking**

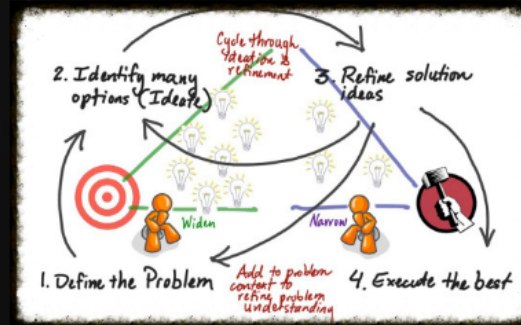
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Making the Connection

Why Visible Thinking?

# Questions Of Critical Thinking

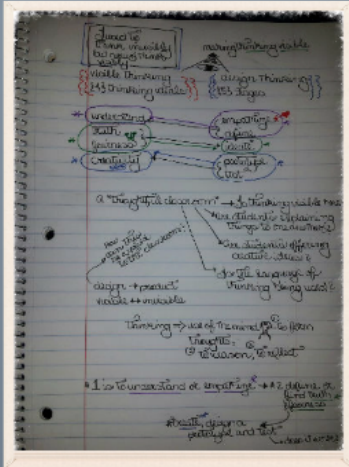


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## What is Design Thinking?

Design thinking begins with the end in mind, applies empathic understanding, creativity, prototypes, and tests.

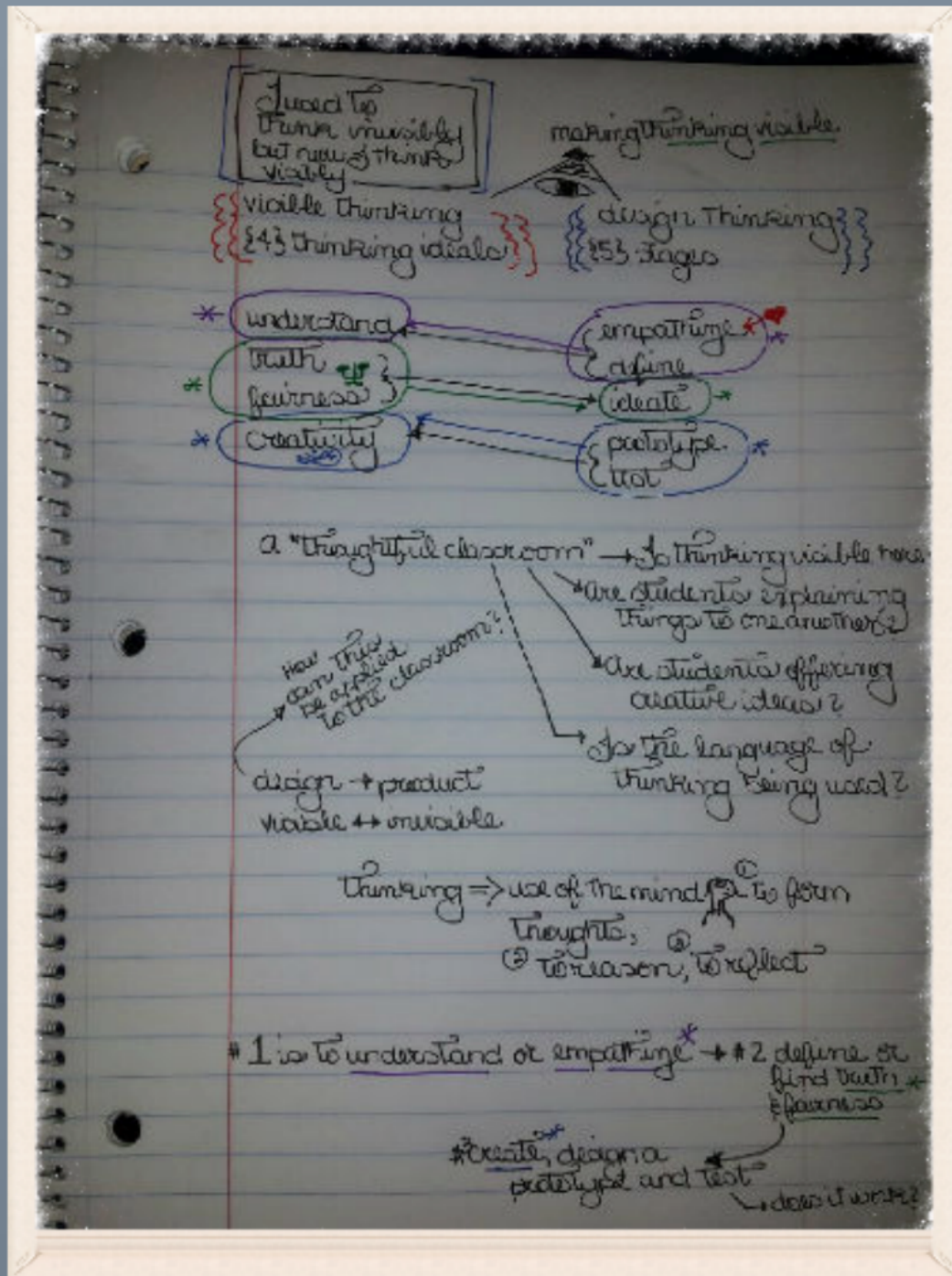
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## What is Visible Thinking?

Project Zero identifies four "thinking ideals" - understanding, truth, fairness, and creativity.

### Quote

"I used to think invisibly but now I think visibly." ~Deborah Taylor



# What Design mind, o creativ Theo



## Selected Design Thinking Tools

- Visualization (e.g., Piktochart)
- Mind mapping (e.g., Wisemapping)
- Prototyping (e.g., Storyboarding)
- Storytelling (e.g. Articulate Storyline)

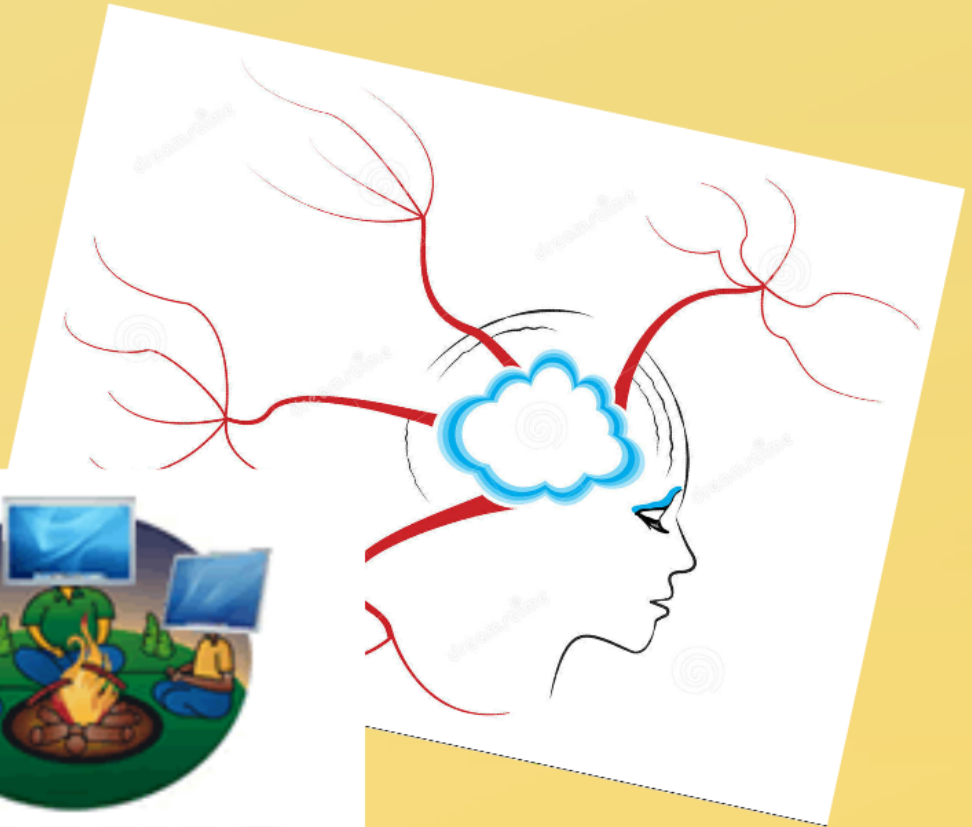
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Source: Ten tools for design thinking <http://tinyurl.com/nj5e5xw>

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# Why Make Thinking Visible?

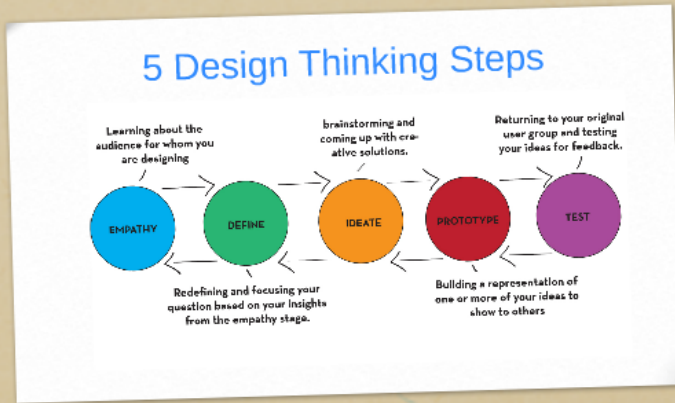
## Notes from Project Zero's Visible Thinking



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### Thinking Routines

This routine...	encourage the type of thinking
What Makes You Say That?	Interpretation with justification
Think-Pair-Share	Setting the stage for deeper inquiry
Circle of Viewpoints	Active reasoning and explanation
I Used to Think... Now I Think...	Exploring diverse perspectives
See-Think-Wonder	Reflecting on how and why our thinking has changed
Critique, Shapes, Lines	Assessing works of art and other meaningful things

Source: Project Zero (2012)

