

Screen too dark: technical problem
ppt before class: if we shift the deadline for tasks -1 Day?
Talking too fast: to be adjusted
Homework: most tasks In-Class
one short article to read + summary
Reading Brick: RMB16 (Group leaders to collect)

Reading Material p.1: Article 1 - Tesla Battery p.119: Article 18 - Start school at 11am p.6: Article 2 - Cuba p.125: Article 19 - Sleep-deprived society p.17: Article 3- Kathmandu p.133: Article 20 - Soil Erosion p.23: Article 4 - Owning a car p.138: Article 21 - Leftover Men p.29: Article 5 - Ocean Acidification p.145: Article 22 - Dark Snow p.151: Article 23 - Airpocalypse p.35: Article 6 - Superantibiotics P p.157: Article 24 - Arctic Ecosystem p.41: Article 7 - Insect Ecosystem p.163: Article 25 - Dr Con Man p.49: Article 8 - Global pollution p.173: Article 26 - Killer Robots 📭 p.57: Article 9 - Canada Gas Emissions p. 181: Article 27 - Apples on the Silk Road p.63: Article 10 - Three years left p.187: Article 28 - Battery Waste p.69: Article 11 - Penguins P.193: Article 29 - Sixth Mass extinction p.75: Article 12 - Tech Giants P. 201: Article 30 - Meat Consumption p.81: Article 13 - Obesity p.207: Article 31 - Forest Cities p.87: Article 14 - Women are nicer p.213: Article 32 - Great Pacific Garbage Patch p.93: Article 15 - Antibiotic Apocalypse p.219: Article 33 - Edward Snowden MIT Mobile p.101: Article 16 - Sea Turtles p.225: Article 34 - CO2 Storage p.111: Article 17 - Michel Oden p. 231: Article 35 - Robot Revolution

Review

1. Skim reading (Who? What? When? Where?)
2. Deep Reading (Main idea?)
3. Outline the article (main points each section)
write in your own words

1. Identify (In the article, the author...)
2. Summarize as a whole (The author suggests...)
3. Conclude (In summary, the author/article...)

1. Check for accuracy (author's opinion?)
2. Ask another student to read your summary
3. Revise accordingly and check for spelling

Summary Writing

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How long should my summary be?!

General maximum: ½ of original text
Scientific articles: 150-250 words

Here: 5-8 sentences (100-150 words)

Example of Good Summary

Inventing Reading is one of the chapters of the book Reading in the Brain The New Science of How We Read, first published by the Penguin Group in 2009. The author, Stanislas Dehaene, is a French author and cognitive neuroscientist.

The chapter firstly focuses on the universal features of writing systems of many nations, and achieves some conclusions of the common as well as special characteristics of them. Then it discusses the association between artificial signs and natural shapes, and prehistoric precursors of writing Finally, it explains the origins of some elements of modern writing system such as pictography, alphabet and vowel.

In conclusion, the inventing of reading is a mystery and miraculous process. It is not the cortex evolved for writing but writing evolved to fit the cortex.

Presentation (from next week)

*Read your article

*Meet with your group peers

*Discuss the article and prepare ~3-5 ppts

Include into your presentation:

- 1. Information about the author
- 2. Short summary of the article
- 3. What have you learned from the article?
- 4. Did you find the article engaging and/or informative? Why or why not?
- 5. Is the article presenting a problem, a solution, or both? Do you agree with the solution proposed?

Presentation Day:

*10 min

*In-class QnA

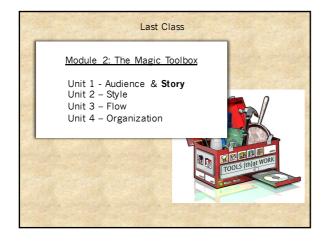
Module 1: The Magic Toolbox The Art of Academic Writing (~20 h)

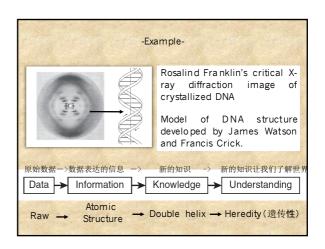
Module 2: The Blue Print How to construct a research paper and how to avoid common mistakes (~8 h)

Module 3: The Master Plan

How to prepare yourself for your first paper
(2 h)

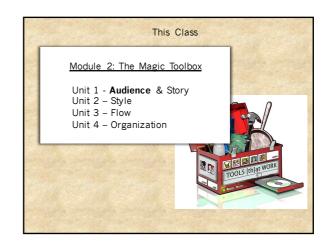
Module 4: The Scientist with Integrity
The Art of avoiding Scientific Fraud
(2 h)





Long-term Task

Pay attention to whether research articles in your field tell a complete story, by explaining the new understanding that emerges from the new knowledge created upon analysis of their data.



Audience The Curse of Knowledge

The cause of most bad writing, Pinker thinks, is not laziness or sloppiness or overexposure to the Internet and video games, but what he calls the curse of knowledge; the writer's inability to put himself in the reader's shoes or to imagine that the reader might not know all that the writer knows — the jargon, the shorthand, the slang, the received wisdom. He may underestimate a little how much deliberately bad writing there is, writing meant to confuse and obfuscate. Just look at the fine print at the bottom of your next credit card bill or listen to a politician in Washington reading a speech about the tax code.

Audience Bridging the Knowledge Gap

* How much less does your reader know?



- 1. Depends on you:
- -> if you made major discoveries: BIG Gap
- 2. Depends on your reader:
- -> if their knowledge of your field is limited: BIG Gap little understanding of your methods, vocabulary

Bridging the Knowledge Gap

How to bridge this gap?

-> by throwing down the ladder to ground zero

Difficulty: ground zero moving!

-> make sure every rung in the ladder present (LOGICAL FLOW)

Difficulty: thinking of your reader while writing

