

Scientific Poster

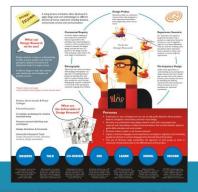
(some) design tips

Right and wrong do not exist in graphic design.
There is only effective and non-effective communication.
Peter Bilak

Infographics

- https://infogram.com/
- https://venngage.com/blog/
- https://www.kmeverson.org/infographics.html
- https://sixrevisions.com/graphics-design/40-useful-and-creative-infographics/









Infographics

- http://aaaspolicyfellowships.org/sci-fly/pictures-worth-1000-words-visualizing-data-infographics
- Randy Krum's website:
 - http://www.coolinfographics.com/
 - Software tools: http://www.coolinfographics.com/tools/
- http://flowingdata.com/
- http://blog.threestory.com/wordpress/topics/data-visualization
- http://researchexplainer.com/tag/infographic/
- https://infogr.am/
- http://piktochart.com/
- http://visual.ly/



icons

- · Don't use ugly clip art
- https://thenounproject.com/



Word clouds

- http://www.wordle.net/create
- http://www.tagxedo.com/
- http://tagcrowd.com/

articles background betterposters blog blogspot chart clear color COM communication curtis designing details edu examples flow gradient html http huttenhower images internships journal life makesigns materials nature org paper poster posterdesign powerpoint presentation printing research scientific some-advice-for-the-lonely-stu SOS sources start student template text tips title trop unnecessary view winawer WWW



Principles of Graphic Design

Sources:

- http://en.wikipedia.org/wiki/Design_elements_and_principles
- http://www.johnlovett.com/test.htm
- http://abduzeedo.com/
- http://www.youthedesigner.com/
- issuu.com/collectivememory/docs/poster-design
- http://justcreative.com/2008/06/13/how-to-design-learn-the-basics/
- Williams, Robin. *The Non-Designer's Design Book: Design and Typographic Principles for the Visual Novice*. 2nd edition. Berkley, California: Peachpit Press, 2004.
- http://aea365.org/blog/dvr-tig-week-mandi-singleton-on-six-steps-for-creating-an-attractive-engaging-and-informative-poster/



Where Do You Look

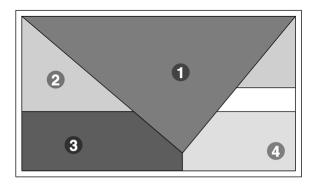
First?



Where Do You Look

First?



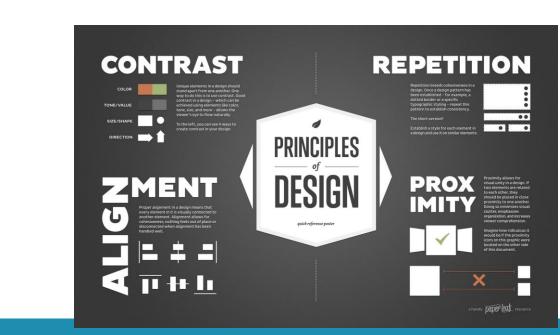


- - Main Focus Area Location of research fundamentals: Title, Abstract, Results, Conclusion.
- Secondary Emphasis Location of important info: Intro, Results, Summary
- Supporting Area Location of supporting info: Methods, Discussion
- **Final Info Area**Location of supplemental info: References, Acknowledgments, Personal information



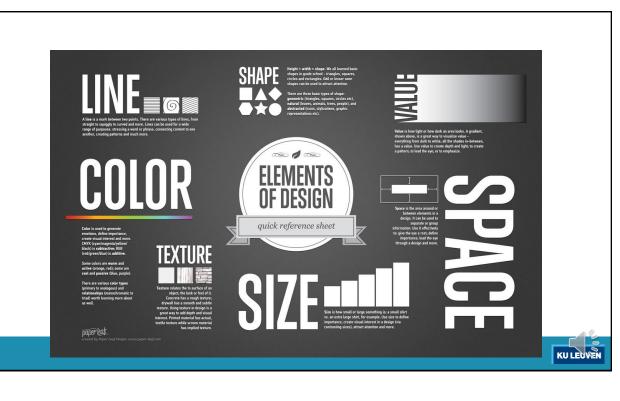
CRAP







http://paper-leaf.com/blog/2012/10/principles-of-design-quick-reference-poster/



Principles of Graphic Design: CRAP

· Contrast:

"If two items are not exactly the same, then make them different. Really different."

Repetition

"Repeat some aspect of the design throughout the entire piece."

Alignment

"Nothing should be placed on the page arbitrarily. Every item should have a visual connection with something else on the page."

Proximity

"Group related items together... so the related items are seen as one cohesive group rather than a bunch of unrelated bits."

http://www.nhsdesigns.com/principles/



Contrast

- · If elements on your page are not the same, make them very different.
- · Contrast in size, color, etc.
- Make a visual splash where parts of the page stand out.
- Contrast attracts the attention of your viewers.



Taken from http://lab.christianmontoya.com/designing-with-crap/designing-with-crap-cc.pdf

Contrast





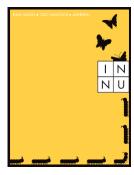


Repetition

- · Repeat visual elements throughout the page.
- Repetition develops the organization and creates a strong brand
- · Repetition focuses on consistency.
- Repetition comes through unity and consistency in font, alignment, headings, etc

REPETITION REPETITION REPETITION

Repetition



http://www.creativepro.com/files/story_images/posters.pdf

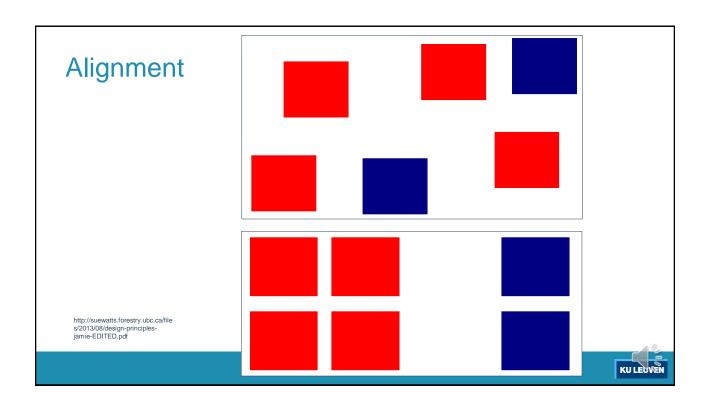


Alignment

- Nothing should be placed arbitrarily. Do not toss elements randomly at your page or simply try to fill space.
- Every element should have a visual connection with another on the page.

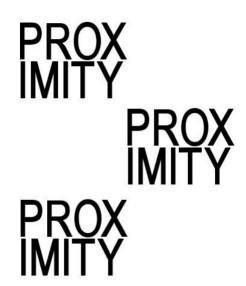






Proximity

- Items related to each other should be grouped close together.
- Grouping organizes information and reduces clutter.
 Focus on clarity in organization.





Proximity

My Flowers

Marigold Pansy Rue Woodbine Daisy Cowslip Carnation Primrose Violets Pink

My Flowers

Marigold Pansy Rue Woodbine Daisy Cowslip

> Carnation Primrose Violets Pink

www.nhsdesigns.com/principles/proximity/



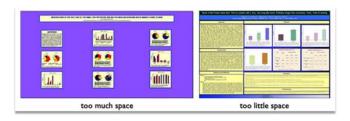
Emphasis

- Put emphasis: make the most important element the most prominent:
 - Make it large
 - Make it bold
 - Place the element in a different shape (color/format)
 - Make it intense, while surroundings are pale
 - Add a border
 - Surround with white space
 - Tilt it at a different angle



White space

- Used to give some structure.
- Be consistent: same spacing around images, charts, ...

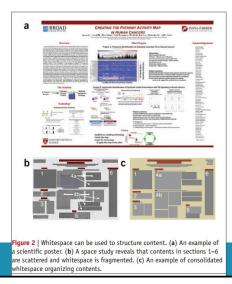


http://www.ncsu.edu/project/posters/NewSite/



White space





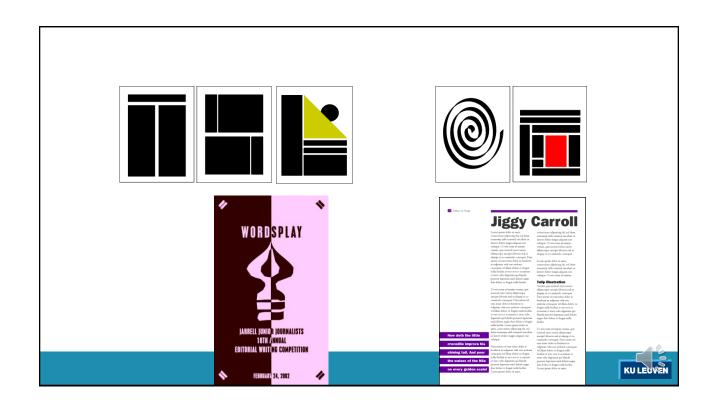


Balance

- Visually balance color, objects, shapes, ...
 - Make it aesthetically pleasing
 - Symmetric: static
 - Asymmetric: dynamic
 - Radial







Color

- Use color combinations to evoke a feeling
- Color should help to make your poster easy to read
- Color helps to draw attention



