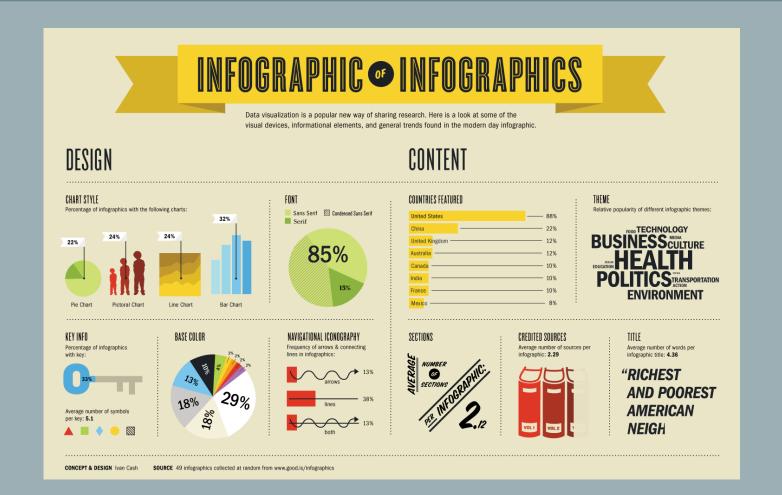
# INFOGRAPHICS:

### VISUAL STORIES



# Infographics

A New Trend for Sharing Information

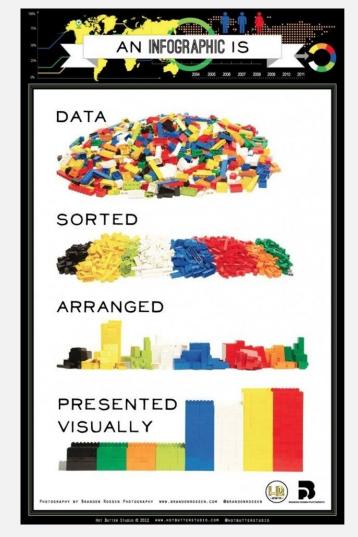






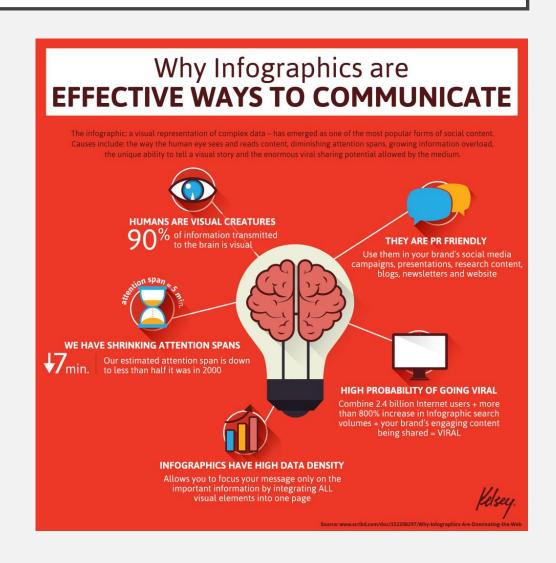
# WHAT ARE INFOGRAPHICS?

They blend text and images to convey information visually—illustrating facts with charts, maps or diagrams.



# WHY INFOGRAPHICS

- They tell complete stories.
- 60-80% of the human brain is dedicated to forms of visual processing.
- Attention spans have shrunk.
- Infographic on "Why to use Infographics"



COLOR 80% MORE LIKELY TO BE READ INFOGRAPHICS WORK

1/10 of a SECOND TO GET THE SENSE OF A VISUAL

28%
WORDS READ
PER VISIT

5 TIMES MORE INFO THAN IN 1986

34 GIGABYTES 100,500 WORDS

On average, users only read 28 percent of words per visit. Nielsen, J. (2008). How Little Do Users Read? www.nngroup.com

Researchers found that color visuals increase the willingness to read by 80 percent. Green, R. (1989). The Persuasive Properties of Color. Marketing Communications. www.office.xerox.com

We receive five times the amount of information every day as we did in 1986. Alleyne, R. (11 Feb 2011). Welcome to the Information Age — 174 Newspapers a Day. The Telegraph. www.telegraph.co.uk/science

Humans can get a sense of a visual scene in less than 1/10 of a second. Semetko, H. & Scammell, M. (2012). The SAGE Handbook of Political Communication. SAGE Publications, www.uk.sagepub.com

We consume 34 gigabytes (100,500 words) outside of work on an average day. Bohn, R. & Short, J. (2012). Measuring Consumer Information. International Journal of Communication, Vol 6. ijoc.org



igniting brands with bright ideas

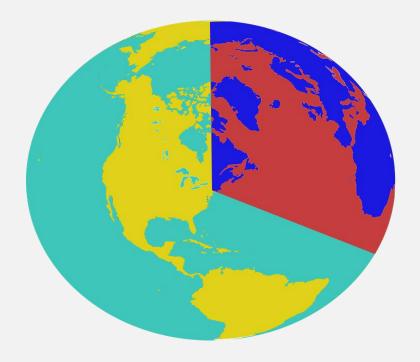
# CONTEXTUALIZING DATA

2,267,233,742

A number by itself has no context ...



### A NUMBER COMPARED TO OTHERS...



2,267,233,742

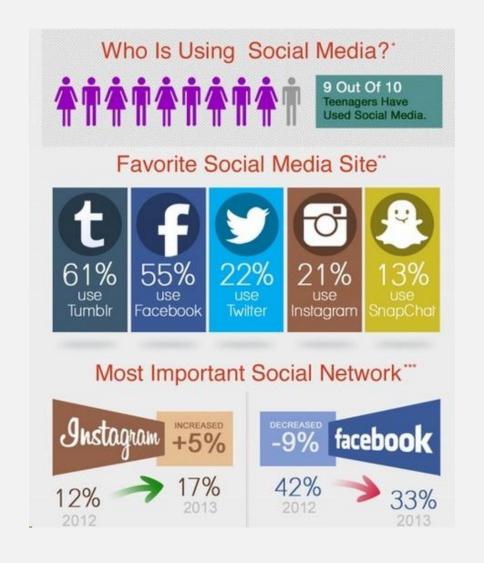
global internet users

7,009,000,000

total people on earth

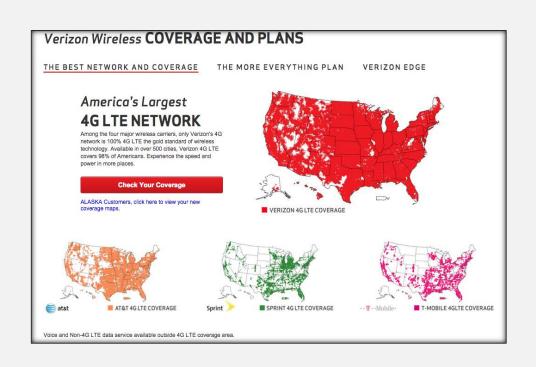
### WHEN SHOULD YOU USE INFOGRAPHICS?

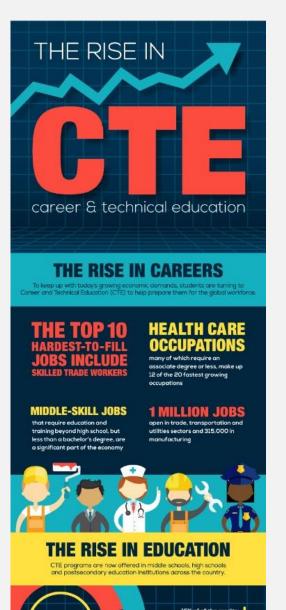
Use them where complex information needs to be explained quickly & clearly, such as in signs, maps, journalism, and technical writing.



### WHAT WILL YOU REMEMBER?







# INFOGRAPHIC TYPES

- Statistical (Basic)
- Informational
- Timeline
- Visual Article
- Process
- Map (Geographic)

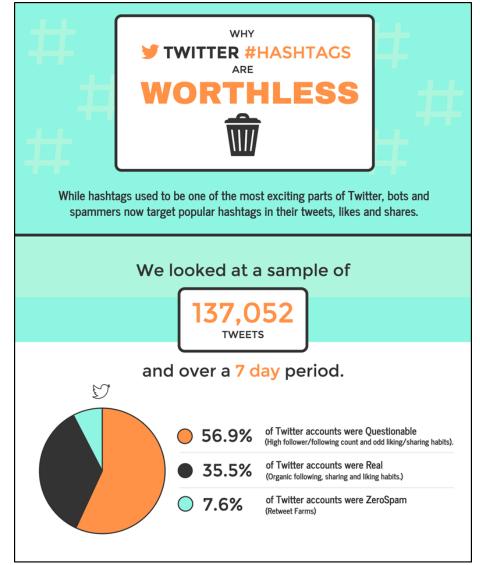
- Comparison (Versus)
- Hierarchical
- How to
- Photographic
- Data Visualization
- Resume

# Statistical Infographic

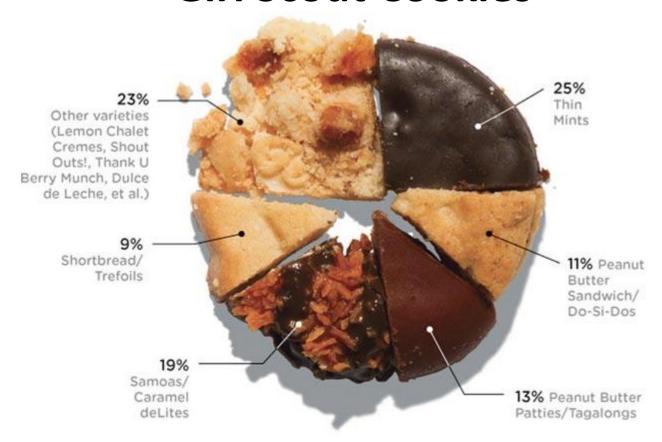
Should be used when you want to put the focus on your data.

Used to tell a compelling story or topic using the numbers and data.

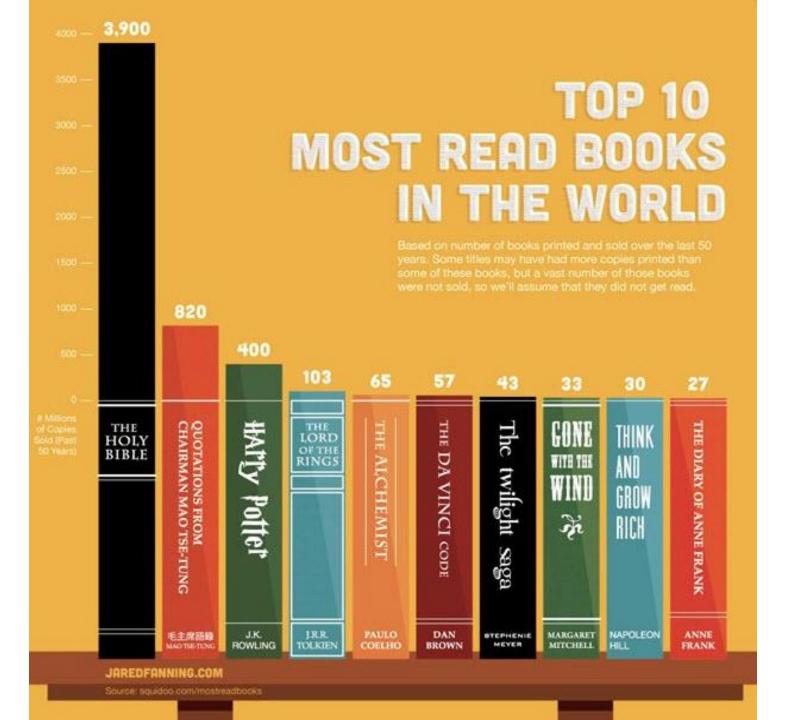
- Charts
- Graphs
- Illustrations



#### **Girl Scout Cookies**







### Powerpoint Infographics

WHO IN WASHINGTON IS RESPONSIBLE FOR

- THE -

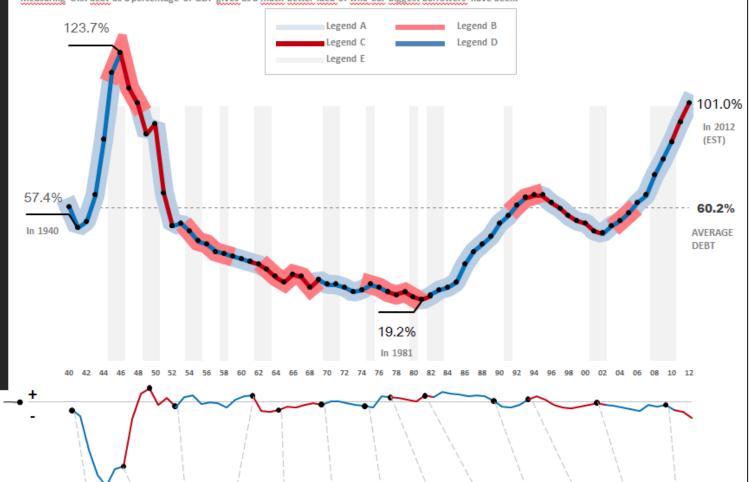
With all the talk lately about the debt ceiling, we wanted to take a look at how we got there. While all the political parties play the blame game, the facts paint a more complicated picture. The data shows that both parties have presided over huge increases and decreases in our national debt, and that events like World War 2 and periods of recession have often been far more important than party ideology.

#### **BUDGET SURPLUSES & DEFICITS** AS A PERCENTAGE OF GDP

Some presidents are better at balancing the budgets than others. Depsite labels such as fiscal conservative or big government liberal, the data shows that the ability or inability to balance the budgets is truly bipartisan.

#### UNITED STATES DEBT AS PERCENTAGE OF GDP [1940-2012 EST]

Measuring U.S. debt in numbers that haven't been adjusted for inflation produces an alarming and somewhat misleading result Measuring U.S. debt as a percentage of GDP gives as a much better idea of who our biggest borrowers have been.



HOW THE RATIO OF DEBT COMPARES TO OTHER COUNTRIES

The range is enourmous due to emerging third world markets and wild swings created by the economic collapse.













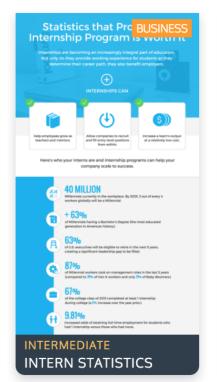


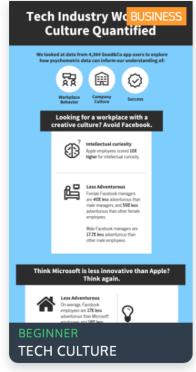


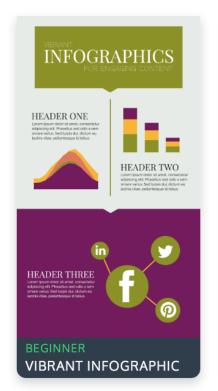


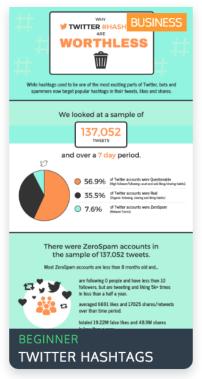
CHINA

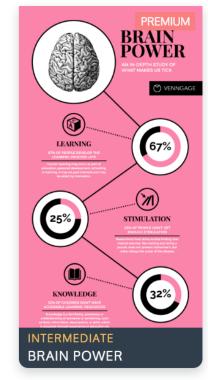
### Statistical Infographic

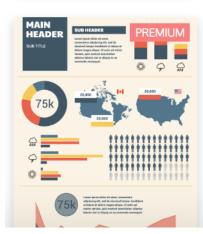


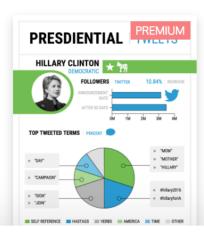


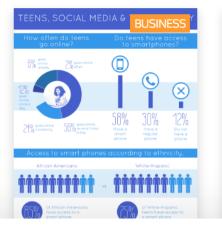
















# Informational Infographic

Used primarily to convey text-based information in easy to understand points.

- An established hierarchy, using icons or bullet points.
- Header points that introduce steps or parts of a topic.
- Concise body text that explains each header point.
- Goal is to inform.





#### **COLLECT YOUR DATA**

When it comes to creating a survey, you'll want to have a clear idea of what specific sorts of information you hope to collect.



Know the point you are trying to prove.

Design your questionnaire having in mind the point you are trying to prove.





Distribute your survey to a statistically significant audience.

Analyze the results.

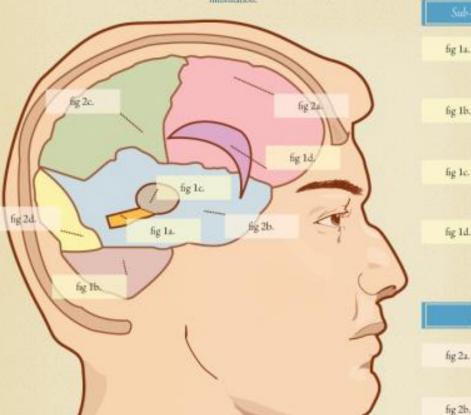


# THE BRAIN retain information?

The manner by which humans retain and retrieve information is an area widely explored and as of yet not completely understood. The human beam consists of about one billion neurons. Each neuron forms about 1,000 connections to other neurons, amounting to more than a trillion connections. This amounts to quite a large storage capacity. Here we examine how the beam retains all this information.

#### WHERE INFORMATION IS STORED

The structures and places that process atimuli and retain



#### Sale Control Streetmen

fig la. Hippocampus

Part of the limbic system and contains cognitive maps. Encodes complex memories.

fig 1b. Cerebellum

Known as the 'little brain'. Scores procedural learning and motor learning.

Amygdala

Associated with emotional learning and fear based memory.

fg Id. Basal Ganglia

Group of nuclei that deals with cognition, learning, motor controls and implicit

#### Sortical Structures

fig 24. Frontal Lobe

Important part of the brain for working memory.

fig 2b. Temporal Lobe

Responsible for autobiographical memory and recognition memory.





#### espresso

A strong black coffee made by forcing steam through dark-roast aromatic coffee beans at high pressure in an espresso machine.



#### cappuccino

This hugely popular coffee drink has become a staple. A true cappuccino is a combination of equal parts espresso, steamed milk and milk froth.



#### americano

A single shot of espresso added to a cup of hot water. Many coffee houses have perfected it, however, and the result has become a creamy, rich based coffee.



#### caffe latte

A popular drink in America probably due to its sweet, mellow flavor. One shot of espresso is mixed with 6 to 8 ounces of steamed milk, then topped with foam.

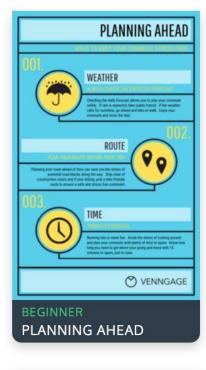
### Informational Infographic







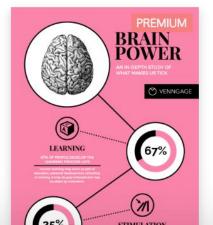
















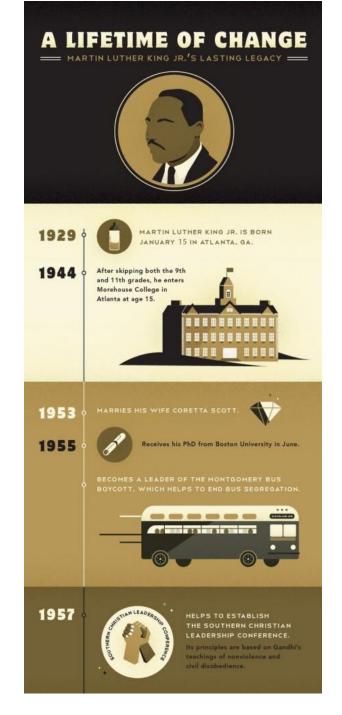
# Timeline Infographic

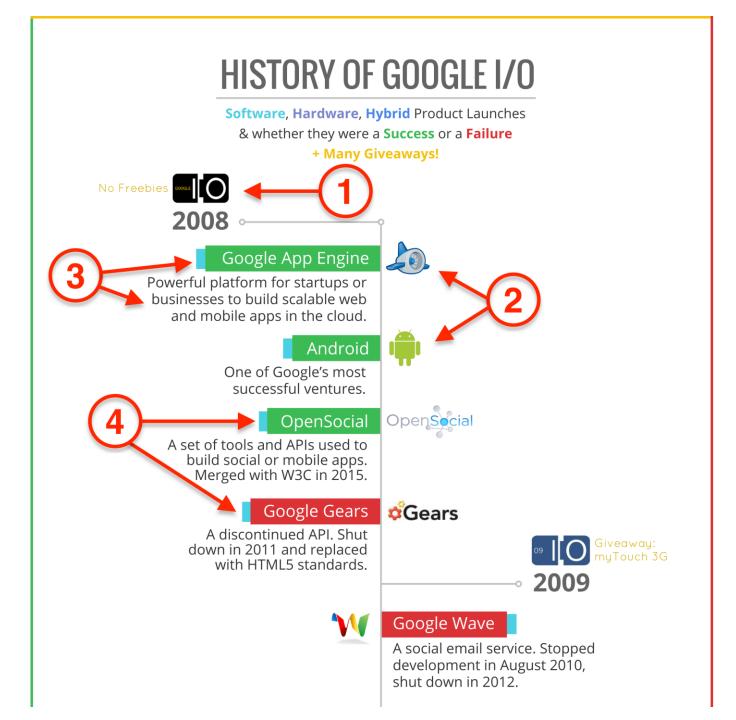
Tells a story through a chronological flow. Maps a story or process through time, using a connecting line with different points branching out.

#### Best used to

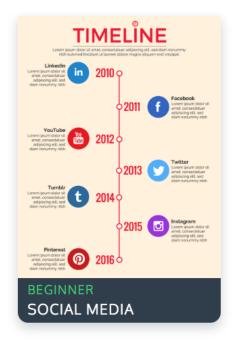
- Show change over time
- Make a long complicated story easier to understand
- Show how one thing leads to another



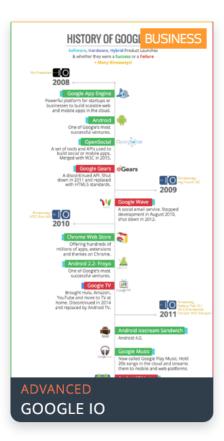




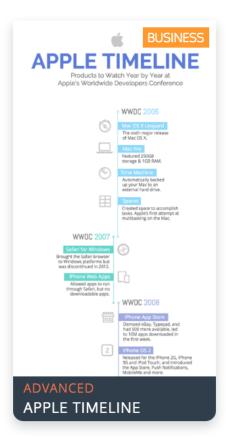
# Timeline Infographic

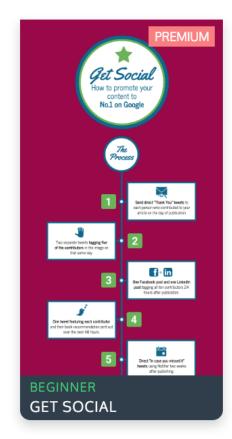










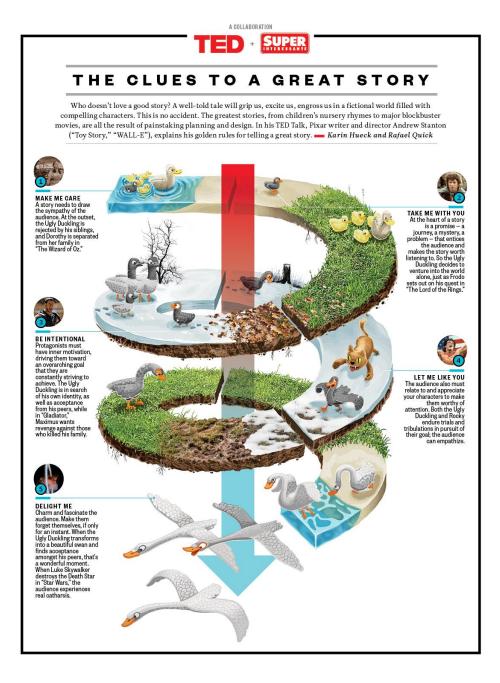


# Visual Article

Makes a piece of writing more visual.

#### Best used to:

- Cut down on text
- Make a plain article more interesting
- Increase sharing potential



### 50 Incredible Facts About Skin

#### The Skin You're In

#1 largest organ



\$\frac{150}{0}\$
of your bodyweight.

There are two types of skin, bairy and globross.





Your akin has three layers



Every inch of your skin has an exact stretchiness and strength for its lieuteion. (The skin of your knockles is very different to the skin on your belly)







Scar timus lucks hair and owner glands. The object stay to found on your Gap

Hair Today



All Mills A body hair will grow from

2-6 years





**INSANE FACTS ABOUT** 

















A

**INSANE FACTS ABOUT** 



1/2 Pint The amount of rum Sir John Robertson, five-time premier of

2.5 pints of beer in 11 seconds.

Bob Hawkes' entry in the

# Process Infographic

Similar to Timeline, however, Process infographics specifically break down processes into a series of easy to follow steps.

- Use icons to anchor each point or step.
- Clearly label each step using headers.
- Break down body text for each step into bullets.



#### 7 Things to Do

#### Before A New Hire's First Day

Onboarding isn't an event. It's a process, and it starts even before your new hire starts their first day.



#### Welcome Packet

Don't wait until the first day to introduce your organization. Send your new hire a welcome packet that includes the latest articles about the company, a fun personal note, and something from the team.



#### 2. Paperwork

Benefits, contracts, anything else that needs signing — make sure you get these out of the way before day one. These documents take time to read over and understand, so don't waste time on the first day doing paperwork.



#### 3. Culture Video

Send them a video that highlights your organizational culture. Get testimonial from current employees, showcase fun activities, and the everyday activities of the workplace.

#### The

# **BEST PINTEREST**



**CHEAT SHEET TIPS ON CREATING A BUSINESS PINTEREST ACCOUNT SET UP A BUSINESS ACCOUNT** Join as a business or convert your personal account to a business account Install the Pinterest browser button It makes it easy to save creative ideas from around the web. Apply for Rich, Promoted and Buyable Pins. Choose a keyword that you want to rank high on in Pinterest's search engine. **CREATE PINTEREST BOARDS** Keep your board titles to the point and garnished with keywords that resonate with your target audience. Create 5 boards with 10 images Create a few boards that cover a broad range of interests and

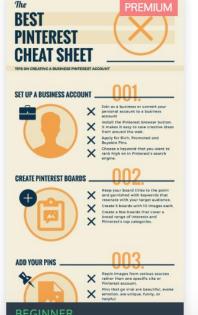
Pinterest's top categories.

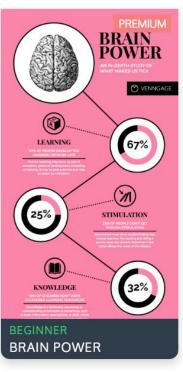
## Process Infographic

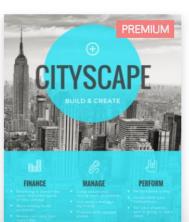






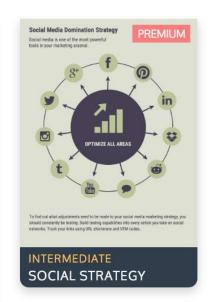












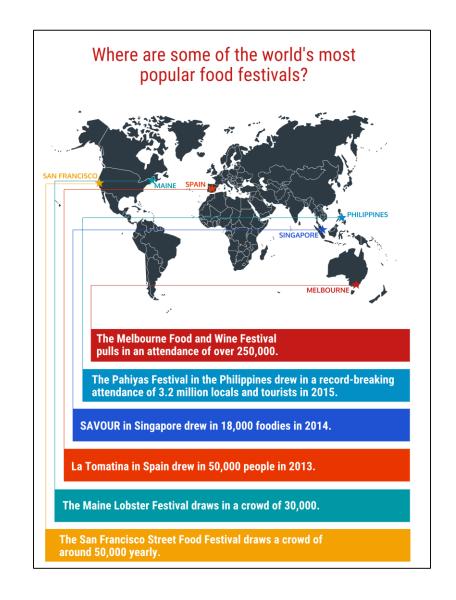


# Map Infographic

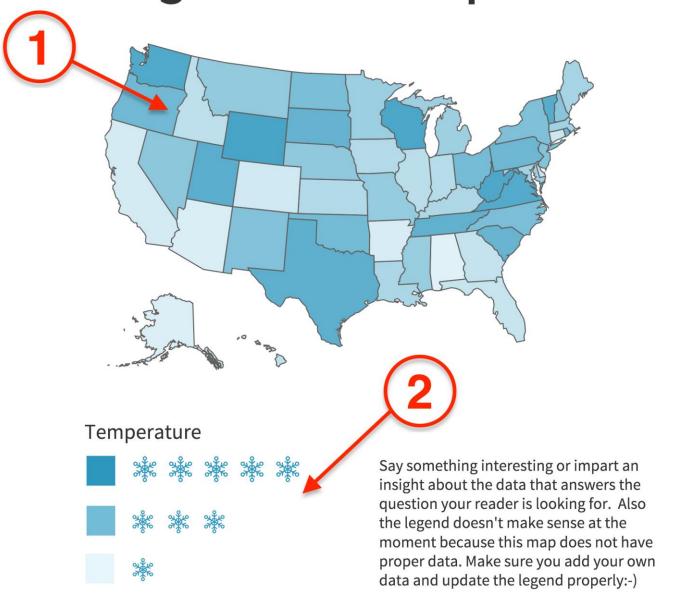
Showcases data trends based on location. Also called Geographic Infographic.

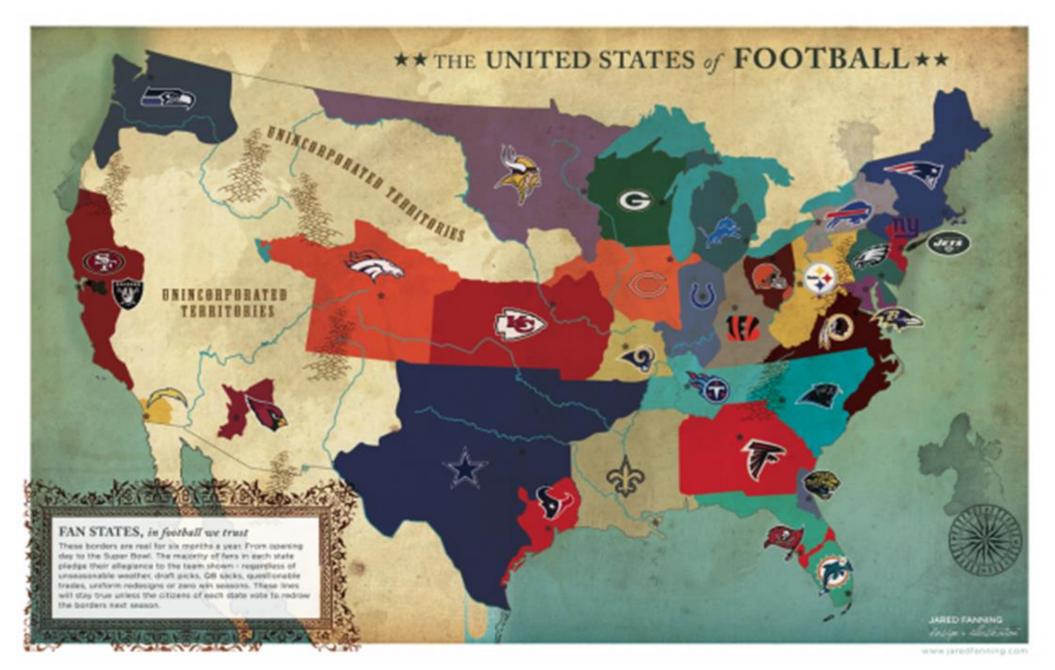
#### Best used to:

 Compare places and culture via setting-centric data



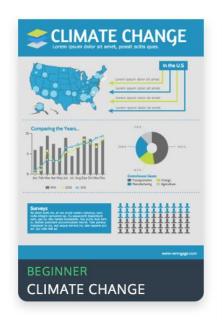
### **Average Home Temperatures**

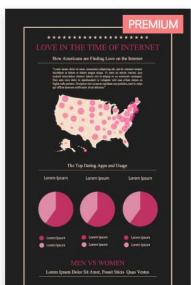


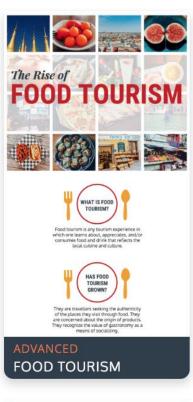


http://visual.ly/united-states-football

### Geographic Infographic



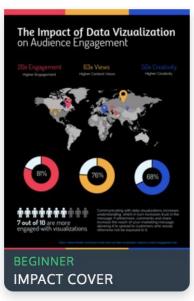


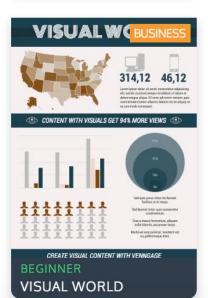


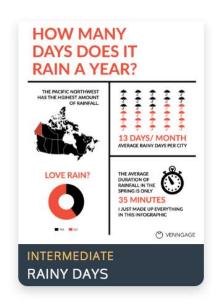














# Comparison (Versus) Infographic

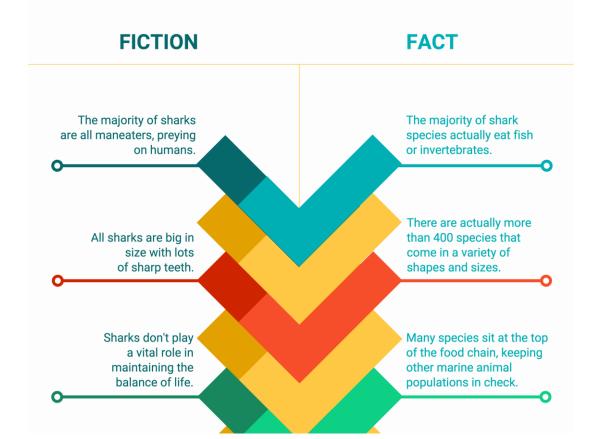
Compare and contrast two different "things" or "types" of information.

#### Best used to:

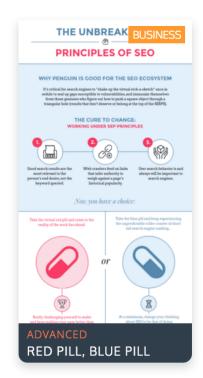
- Highlight differences between two similar things
- Highlight similarities between two unlike things
- Prove one option is superior/inferior to the other

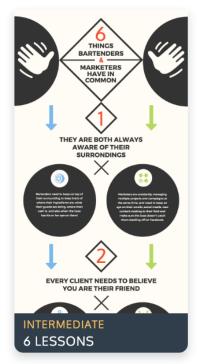


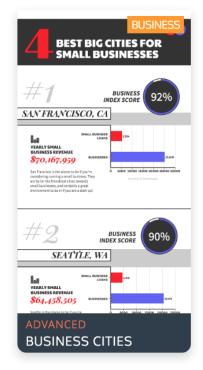
# FACTVS. FICTION WILDLIFE: SHARKS



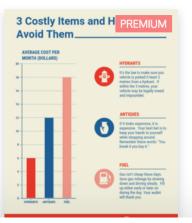
## Comparison Infographic





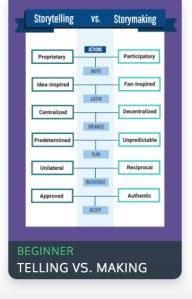


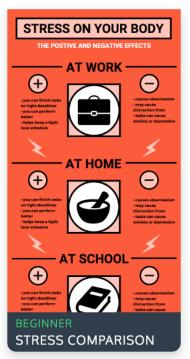










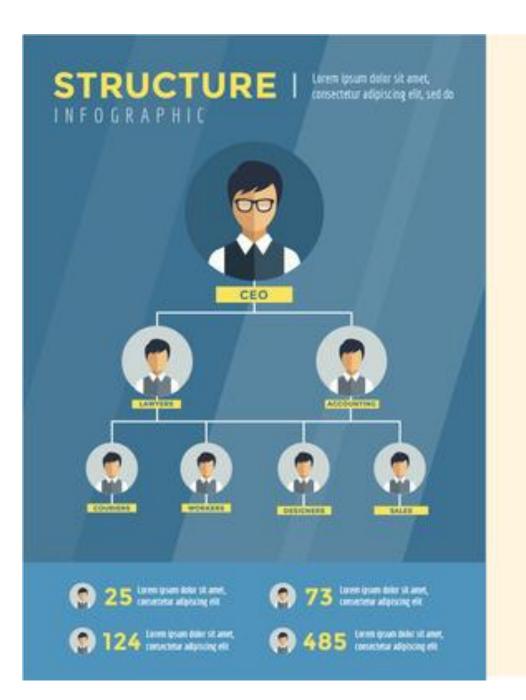




# Hierarchical Infographic

- This infographic serves a very specific purpose and is used to show how information is organized into different levels and how each level is connected to another.
- The most common are pyramid charts or organizational flow charts.





### COMPANY STRUCTURE TREE

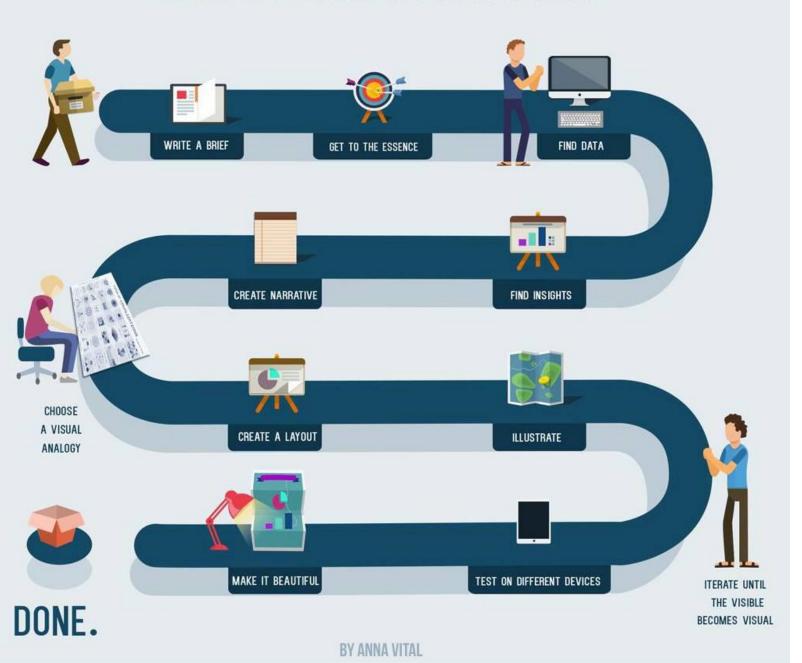


## How-to Infographic

- These types of infographics show the steps involved in creating something.
- Best suited for visualizing how-to articles and the description of any procedure with several instructions to follow.



### **HOW TO MAKE INFOGRAPHICS**

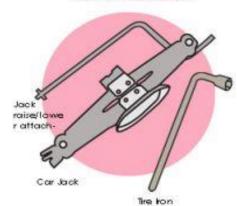


### Changing a Car Tire

#### Caution!

Before proceeding make sure your emergency brake is on and that car is on leveled ground.

#### Took Needed

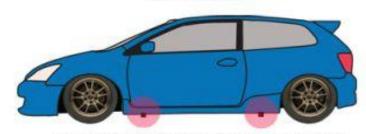


#### Location of Spare Tire and Tools



Tools and spare fire are kept in the trunk underneath the carpet

#### **Jack Points**



There are 4 jacking points. Two located on each side of the car in the locations outlined with the red circles. These are the points where the jack is placed when needing to raise car.

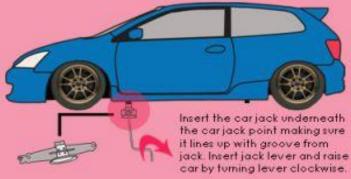
3. Removing Tire

#### 1. Loosening Wheel Bolts



First begin by Loosening the wheel bolts. with the tire iron by turning iron counter clockwise. Do not remove bolts completely.

#### 2. Raising Car



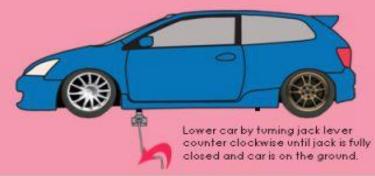


the nuts the rest of the way and pull off tire. Pull towards yourself.

#### 4. Replacing Tire



Screw bolts on with fire iron to hold fire in place.



#### 5. Lowering Car



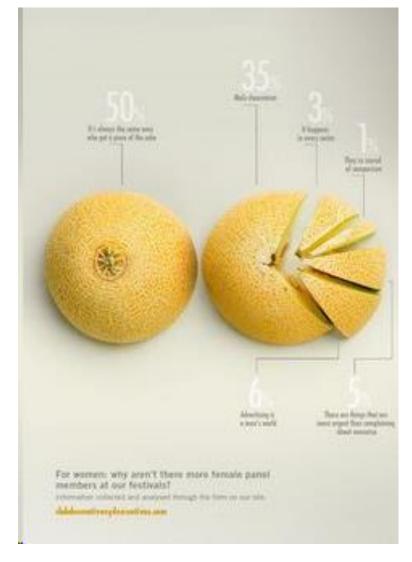
lighten wheel bolts by turning tire iron clockwise. Tahten one bolt at a time by alternating from one to the other in a "X" direction.

### Done!

**Enrique Tejero** 

## Photo-graphic Infographic

- Combination of images and graphic elements such as simple line charts, icons or text.
- This type is aesthetically pleasing and catches the eye because of the way it creatively combines different visual formats.







### THE SCIENCE OF PHOTOGRAPHY

Photography has transformed how we conceive and communicate the world, connecting us to objects and ideas many miles and years away. Film is a thing of the past, but the fundamentals of photography are the same as the first cameras made in the 1800's.

The photographic lens

1

Light bounces off real world objects, and into the camera's photographic lens.

2

The lens' curved surface slows the light's speed and bends it towards the center of the lens.

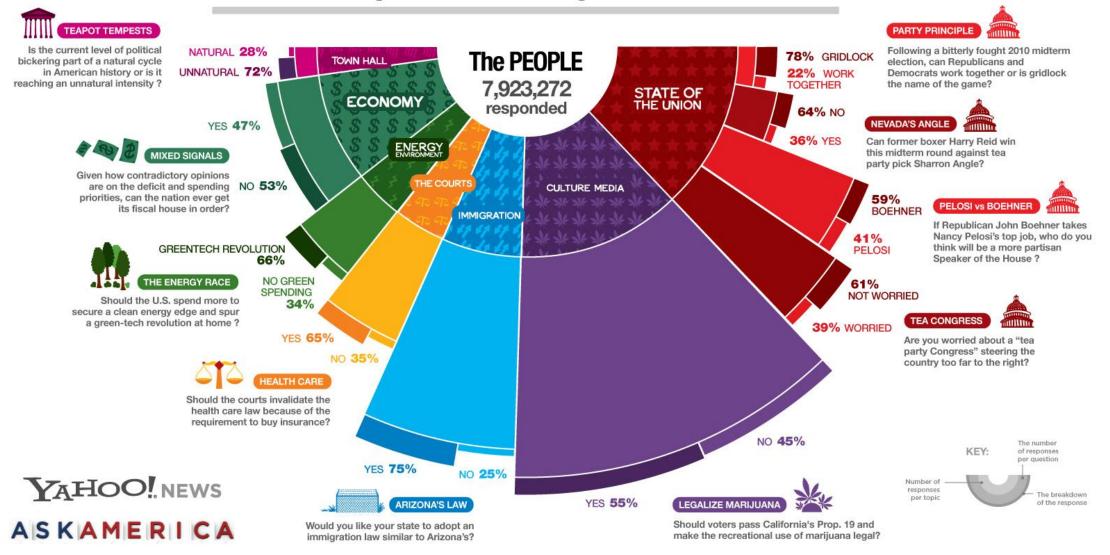


### Data Visualization

- Extremely easy to use graphs and charts that can make your data shine.
- Sometimes in a presentation or article you just need to keep it simple and with this type of infographic you can.



### America Speaks On Key Election Issues



## Resume Infographic

- Marketing document designed to engage the hiring manager to get an interview.
- Generally should be used as a supplementary document to accompany your standard resume.



### JHN SMITH

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dum tempus, augue mauris viverra diam.

Work

Design

semper commodo.

WEB DEVELOPER 2010-11

WEB DEVELOPER 2010-11 ★★★★★
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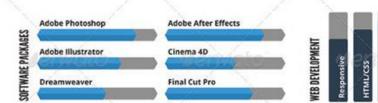
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### EDUCATION VES - INVENT TO SCHOOL COR THAT

semper commodo.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut tristique diam eget fringilla ornare. Etiam laoreet orci blandit semper commodo.

X SKILLS



Sleep

#### Graphic Designer

### CHRISCARTER

#### **ABOUT**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut neque magna, pulvinar sed nibh eget, fringilla interdum nulla. Integer sed purus faucibus, ultrices ante sit amet, rhoncus justo. Sed ex libero, ornare vestibulum suscipit non, semper id sem. Mauris eget facilisis lorem.

#### **EDUCATION**

#### UNIVERSITY OF SAN DIEGO

2002 - 2007 Major in Graphic Design

#### UNIVERSITY OF TORONTO

2002 - 2007 Minor in Media Studies

#### CONTACT



San Diego, CA



555-2534-1111



ccarter@email.com

#### **SKILLS**



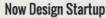
#### AREAS OF EXPERTISE

- Poster design
- · Branding/Identity
- · User interface · Editing video
- · Product packaging
- Illustrations

#### **WORK EXPERIENCE**

2010

PRESENT



Junior Designer

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut neque magna, pulvinar sed nibh eget, fringilla interdum nulla. Integer sed purus faucibus, ultrices ante.

2006

Pixel Inc.

Social Media Curator

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#### **EXPERIENCE**

#### **Managing Director**

Twist Once Inc. 2015-2016

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#### **Creative Content Specialist**

Twist Twice Inc. 2014-2015

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#### **EDUCATION**

#### Masters of Digital Media

Ryerson University, Toronto. 2015-2016

#### **Bachelor of Business Management**

Ryerson University, Toronto. 2011-2015

#### **SKILLS**

Communication	• •	• •	• •	
Teamwork	• •	•	•	
Learning	• •		•	
Drive	• •	•		
Flexibility	• •			
Adaptability	• •		0 0	
Leadership	• •	•	0.0	
Adobe Suite		•		

#### REFERENCES

#### Nesta Jetta

CEO and Co Founder at Twist Once Inc.

555.555.5555

nesta@mail.com

#### Joe James

Manager at React

555.555.5555

joe@mail.com

## INFOGRAPHIC TOOLS

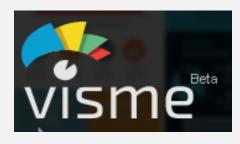








infogr.am



# 2 CHALLENGES DESIGNING A SUCCESSFUL INFOGRAPHIC:

- 1. To clearly understand what type of data your graphic is trying to communicate whether spatial, chronological, quantitative or, as is usually the case, a combination of all three.
- 2. To have your concept or sketch of how the representation for that information will appear as a cohesive whole a whole that is more than the sum of its constituent parts such as charts, diagrams, maps, timelines, etc.

You are asked to show the relationship between junior colleges and four year universities. Your editor wants you to explain the similarities and differences.

The journalism spread in the yearbook has a story about the process of creating the newspaper. How would you visualize this story?

Over the last ten semesters, the number of seniors on the the honor roll has fluctuated widely. The editor has assigned the story to you. What is the best way to report the data?

A new math teacher was just hired at the school. You are assigned to cover the press conference introducing her. What is the best way to present this information?

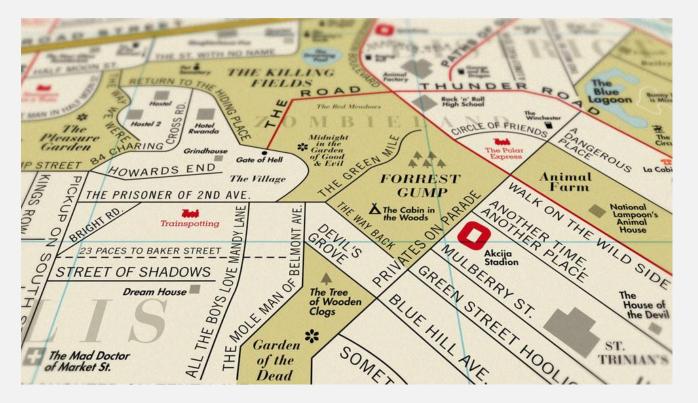
## **ACTIVITY 1**

With a partner, create visual representations of the following things:

- Flood alert
- How to tie shoelaces
- Lunar eclipse
- How to greet someone

## **ACTIVITY 2**

Design a representational map of your high school. Design and label it with a prospective student in mind.



### **WORKS CITED**

- <a href="https://piktochart.com/blog/8-types-of-infographics-which-right-for-you/">https://piktochart.com/blog/8-types-of-infographics-which-right-for-you/</a>
- <a href="https://venngage.com/blog/9-types-of-infographic-template/">https://venngage.com/blog/9-types-of-infographic-template/</a>
- http://blog.visme.co/types-of-infographics/
- <a href="https://easel.ly/blog/the-7-common-types-of-infographic/">https://easel.ly/blog/the-7-common-types-of-infographic/</a>
- <a href="https://www.youtube.com/watch?v=zvmDi82xEMc">https://www.youtube.com/watch?v=zvmDi82xEMc</a>