

Voyager Core Final Infographics: Mixing Research & Media [A Day]

Infographics are visual representations of information, data or knowledge. They are used where complex information needs to be explained quickly, clearly and visually.

Purpose of the assignment:

- To develop research skills and to determine the credibility of sources.
- To follow a question through research and analysis of data to a conclusion.
- To pull information from infographic sources and to develop technology skills needed to make an infographic.

Project Elements (introduction to students: Friday, Sept. 25th, 2A):

1. Exploratory research: **[due: Thurs., Oct. 1st]** choose 3 topics of interest and complete initial research in order to determine a final topic to examine. Topic ideas can be found from the lists below. For each of the 3 topics, you must:
 - define the topic
 - identify the problems connected to the topic
 - rate your top three choices (core teachers will assign a topic to each student)
2. Credibility of resources: **[due: Mon., Oct. 19th]** complete the *Got Credibility Form* for 3 credible digital resources
3. Topic research: **[due: Thurs., Oct. 29th]** complete your topic research by close reading and annotating in the margins your 3 digital resources. Your infographic will have 4-6 sections/blocks. Therefore, your research should focus on 4-6 central questions to your topic. Examples of general questions include: *why is the topic happening? why is the topic a problem? how is it affecting people, environment, animals etc.? who is responsible for the topic's problems? What solutions exist to the topic's problems? Below, are the kinds of questions to ask/research for the topic of California Fires:*
 - *How many fires have occurred each year over the past 10 - 20 years?*
 - *Are the number of fires increasing? If so, why?*
 - *What is the major cause to the fires?*
 - *How many acres are burned each year?*
 - *What environmental effects do fires have?*
 - *How much damage in dollars do fires cause each year?*
 - *What can be done to prevent fires in the future?*

Your research MUST focus on the collection of data and statistics surrounding the topic. The information gathered MUST include 5 pieces of quantitative data/statistics.
4. Storyboard sketch: **[due: Fri., Nov. 6th]** sketch your design for your infographic on paper, Google drawing, Word, etc.
5. Rough draft & Peer review: **[due: Tues., Nov. 17th]** using the provided *rubric*, peer edit and review 2 students' infographics
6. Final design: **[due: Wed., Dec. 2nd]** a completed infographic
7. Oral presentation to the core: **[taking place: Fri., Dec. 4th]** each student will present their infographic to the entire core. Time: 2 mins. minimum, 3 mins. maximum. No note cards will be allowed; your presentation must appear/feel rehearsed.

Infographic Requirements (please see rubric):

1. 7 facts (at least 5 MUST BE quantitative)
2. 5-7 visual graphics
3. at least 4-6 slides

Infographic Design Website suggestions:

1. piktochart.com
2. infogr.am
3. visual.ly

**Infographic Topic Ideas**

English	Science	History
Gender roles	Ocean gyres (Plastics in ocean)	Human slavery
Evolution of the fairytale	Ocean acidification	Human trafficking
Genocides - who is in control, who is being oppressed, what are the death tolls?	Algae blooms (eutrophication)	Child labor
	Shift in Ocean conveyor belt	Sweat shops
	Pollution and public health	Child marriage
	Ozone hole	Human rights violations
	Overfishing	World hunger
	Overuse of antibiotics → super bugs	Aids
	Carbon tax	Ebola
	Safe drinking water/lack of clean drinking water for hundreds of millions throughout the world	Gender equality (lack of womens'/girls' rights)
	Species Extinction (Loss of Biodiversity)	Population concerns – food, space, resources
	Climate change	Blood Diamonds
		Blood Ivory
		Minimum Wage

	Food safety Food waste - 40% of food grown/produced in US is wasted each year Water conservation Mountain top mining Beehive collapse disorder Rising ocean levels Digital Dumping Grounds/eWaste toxics Greenhouse gas emissions - rate of, country breakdown Oil usage - production, use, reserves, peak oil Oil spills – effects on habitats/ecosystems Glacial melting - track melting pattern, Mendenhall Glacier Fire - rates, frequency, environmental impact Environmental impact on the land of growing particular crops (i.e. marijuana, corn, soy, vineyards) Fracking - impact, link to earthquakes, water contamination Lead bullets Birth and death rates - specific countries, global scale Rate of extinction - deaths of	Poverty Universal access to primary education Child Mortality Maternal Health Psychological effects of war - rate of suicide or violence in veterans, rate of rape in the military Veteran access to medical care, job assistance, etc. Women's access to education around the globe Chemical weapons - use, impact, global consequences Minorities in education: equal access? Equal opportunities? Prison system - minorities in prison, death penalty, types of offenses Gun control - number of guns purchased, number of people killed, high concentrations of firearms geographically Police brutality: rates of traffic stops, arrests, imprisonments, for African Americans vs. other ethnic groups Euthanasia - medically assisted suicide Illegal immigration to U.S. – birthright citizenship, border wall, deportation New Cold War? Russia's aggressions in Ukraine Emergence of ISIS
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	animals globally (causes?)	Crisis in South Sudan
	California's drought	Child soldiers
		Illegal human organ trade