

G4P Infographics

**The Good, the bad and the Ugly
(Examples)**

What is an Infographic?

- A visual image such as a chart or diagram used to represent information or data.
- A well-designed infographic can help simplify a complicated subject or turn an otherwise boring subject into a captivating experience.
- Quick, concise information

7 TIPS TO CREATE AN AWESOME INFOGRAPHIC

THE SCOOP SKINNY 411

BUSINESS EDUCATION: Past, Present & Future

1 **Serve a Clear Purpose**

A LOOK AT THE HISTORY

2 **Use Space Effectively**

3 **Lead the Viewer**

4 **Use Callouts for Important Facts**

BUSINESS CAREER REQUIREMENTS TODAY:

5 **Divide Content into Sections**

6 **Show me the Data**

7 **Encourage the Eye to Compare Pieces of Data**

LOOKING FORWARD 2010 and 2020:



Online learning is changing how students seek an education. Those who want to enter the business field have more options than ever, from taking prerequisite courses to completing full degree programs online.

To pursue a career in business, start at StraighterLine. For just \$99 a month, you can earn college credits in more than 40 online courses. It's easy for business, science, humanities. Example: you can earn college credits in just 10 weeks. You'll be able to transfer your credits to a wide range of colleges.

HOW TO CREATE AN AWESOME INFOGRAPHIC

Step1

Selection of Topic

- ▶ Hunt through social networking sites such as Twitter, Facebook, Reddit and Digg.
- ▶ Organize a brainstorming session on the current events resulting in high internet activity.
- ▶ Look at the worldwide news: stories often have unique angles that have not been explored by the mainstream.
- ▶ Solve a problem or answer a question, explain a complex topic & describe the process of creating a valuable product.

Step2

Idea Selection

- ▶ Does it make editorial sense for the website to be published on?
- ▶ Is the concept easy to understand?
- ▶ When executed, will the infographic show something different?
- ▶ Are there credible sources to support your idea?
- ▶ Does the graphic get you emotionally charged?
- ▶ Can you narrate your graphic and use illustrations to visualize the words and ideas metaphorically?

Step3

Content Research

(Use authoritative sources to gather interesting and legitimate facts)

The Ugly

The information presented in this infographic is actually useful, however, an infographic is supposed to be a graphic.

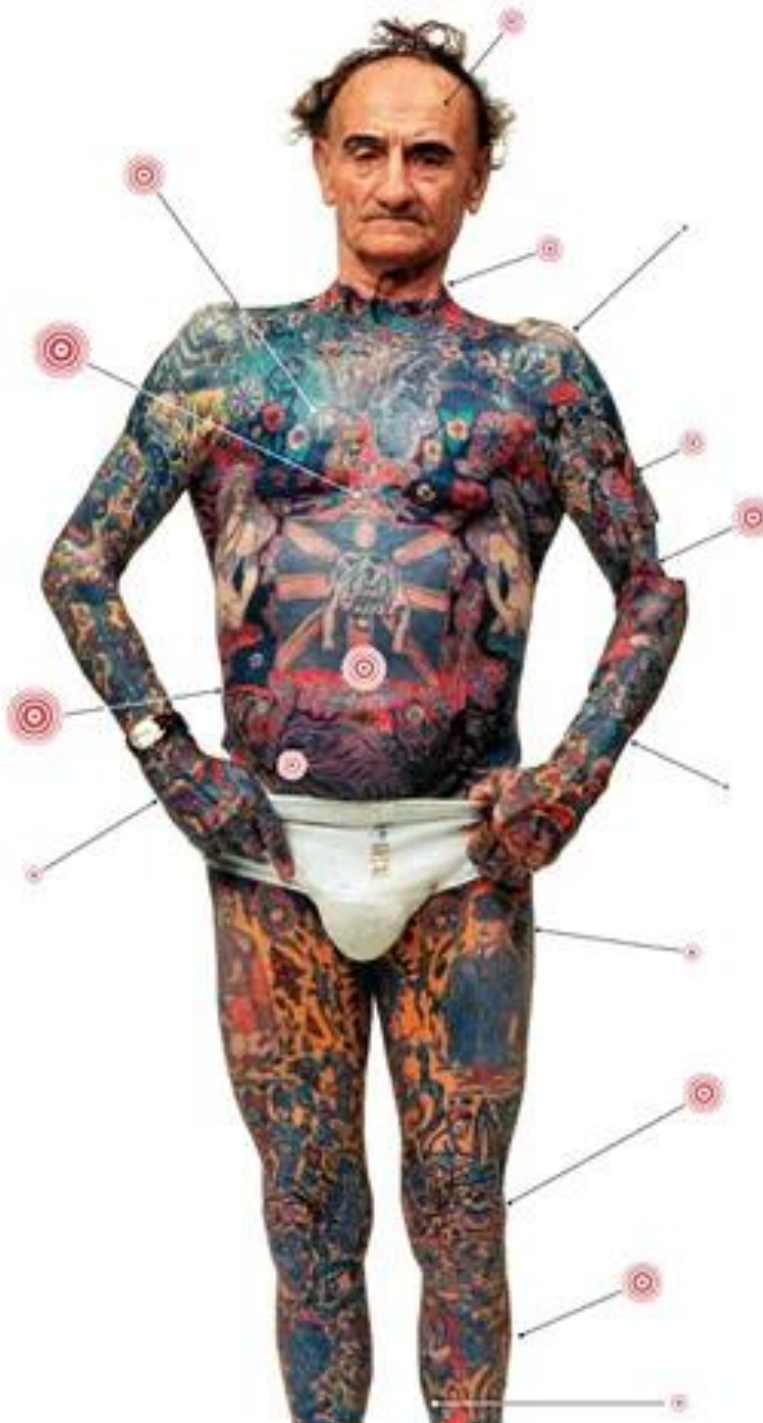
This is merely a blog post with some colorful decorations.

HOW MUCH WILL IT HURT?

A Pain-O-Meter

- Annoying pinpricks.
- Repeated cat scratches.
- From deep paper cuts to small blowtorch.
- Bring a piece of leather to gnaw on.
- Crying or passing out is not only accepted, it's expected in the parlor.

Note: Pain bumps up one point if you're hungover.

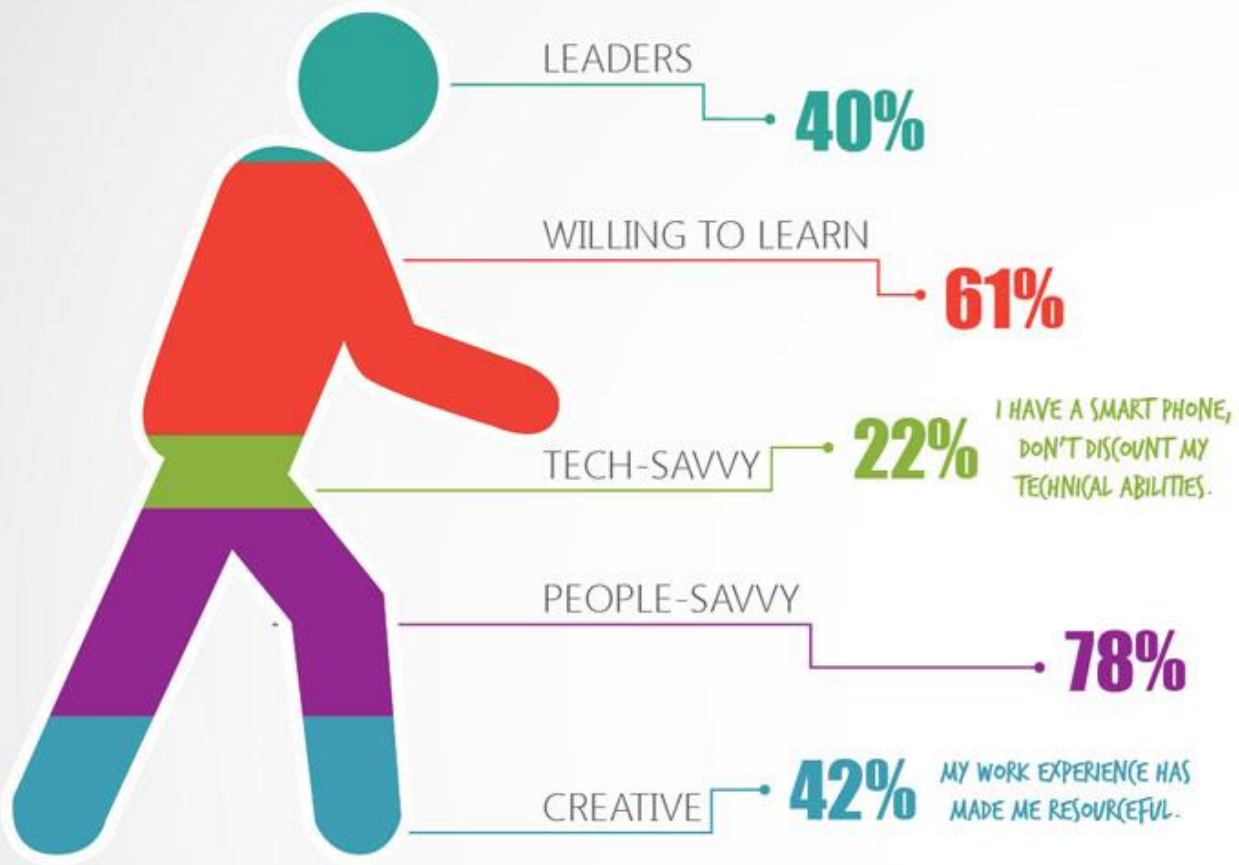


The Ugly

Photographs are becoming increasingly popular in infographics –

just make sure they're nice to look at.

HOW BABY BOOMERS DESCRIBE THEMSELVES

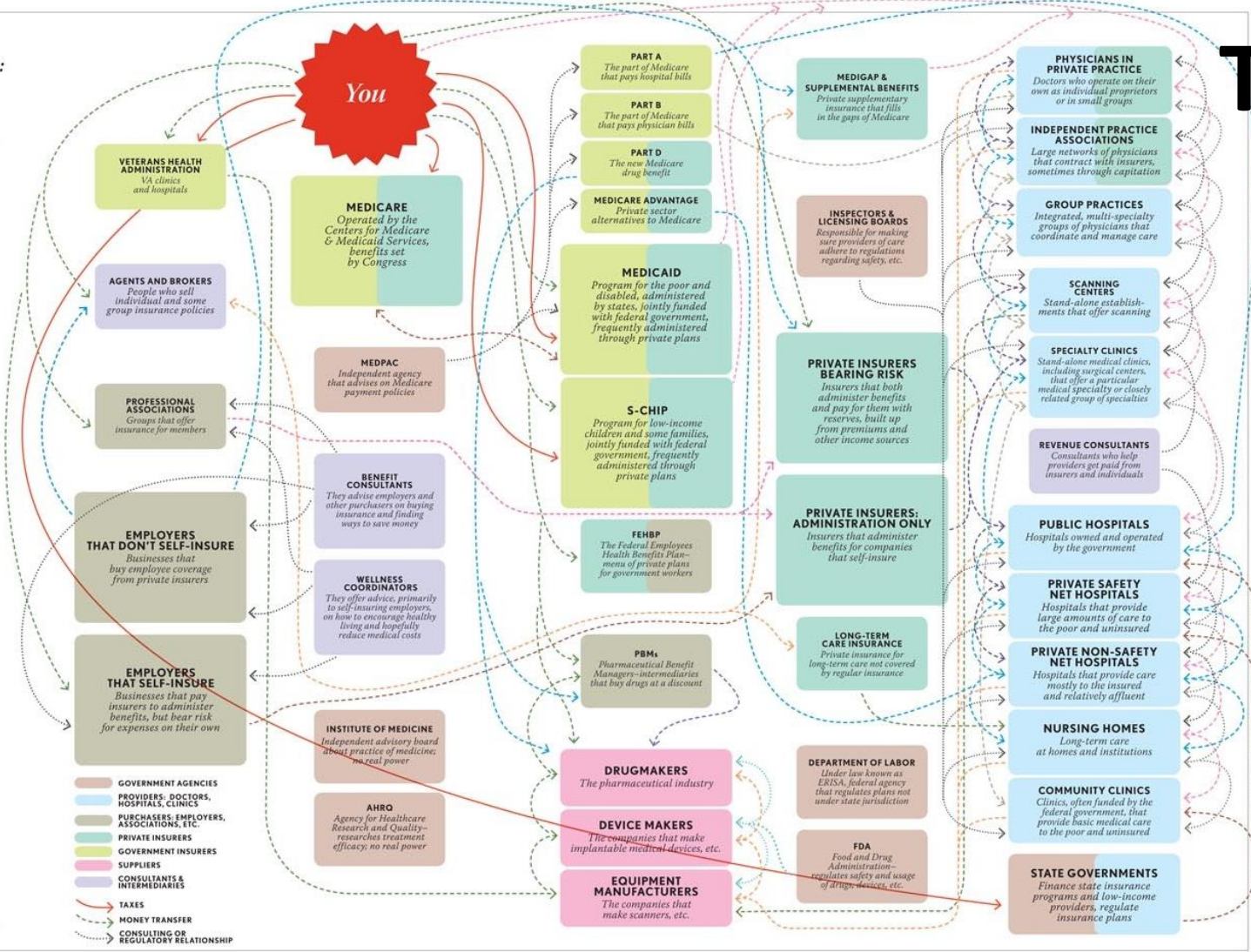


The Bad

Make sure your data/info makes sense.

243% ?????

The Bad



WAY too much info. Confusing to read.

MIXTURES?

THE TYPES AND HOW TO TELL

Developed by Aaron Herrera & Gerald Kashi

Hi! My name is Trippy, and I'm here to tell you about mixtures. While this topic may seem simple, there are actually many different outcomes from mixing things together. First, to be specific: solutions, suspensions, colloids, and emulsions. But don't worry. With my help, identifying and understanding these four types will be easy as 123!



SOLUTION

- Homogeneous mixture of two or more substances
- Can't see the individual particles with our eyes
- Can't be filtered or separated by physical means
- Example: Salt water

SUSPENSION

- Mixture of solid particles formed in a liquid
- Can be separated by straining the mixture
- Example: Muddy water

COLLOID

- The particles are too small to see
- Can't be filtered or separated by physical means
- Example: Milk

EMULSION

- One or more solid particles are dispersed in a liquid
- Can't be filtered or separated by physical means
- Example: Salad dressing

Thank you to all the students, teachers and chemistry enthusiasts who entered the ACS ChemClub and ChemClub infographic contest!

Check out the first of the four winners, as you learn more about the chemistry of mixtures. Congratulations to **Aaron Herrera** and **Gerald Kashi**, from Mapleton Expeditionary School of the Arts in Thornton, Colo.

Watch for the other winners in the next three issues.

GOOD THINGS TO KNOW!

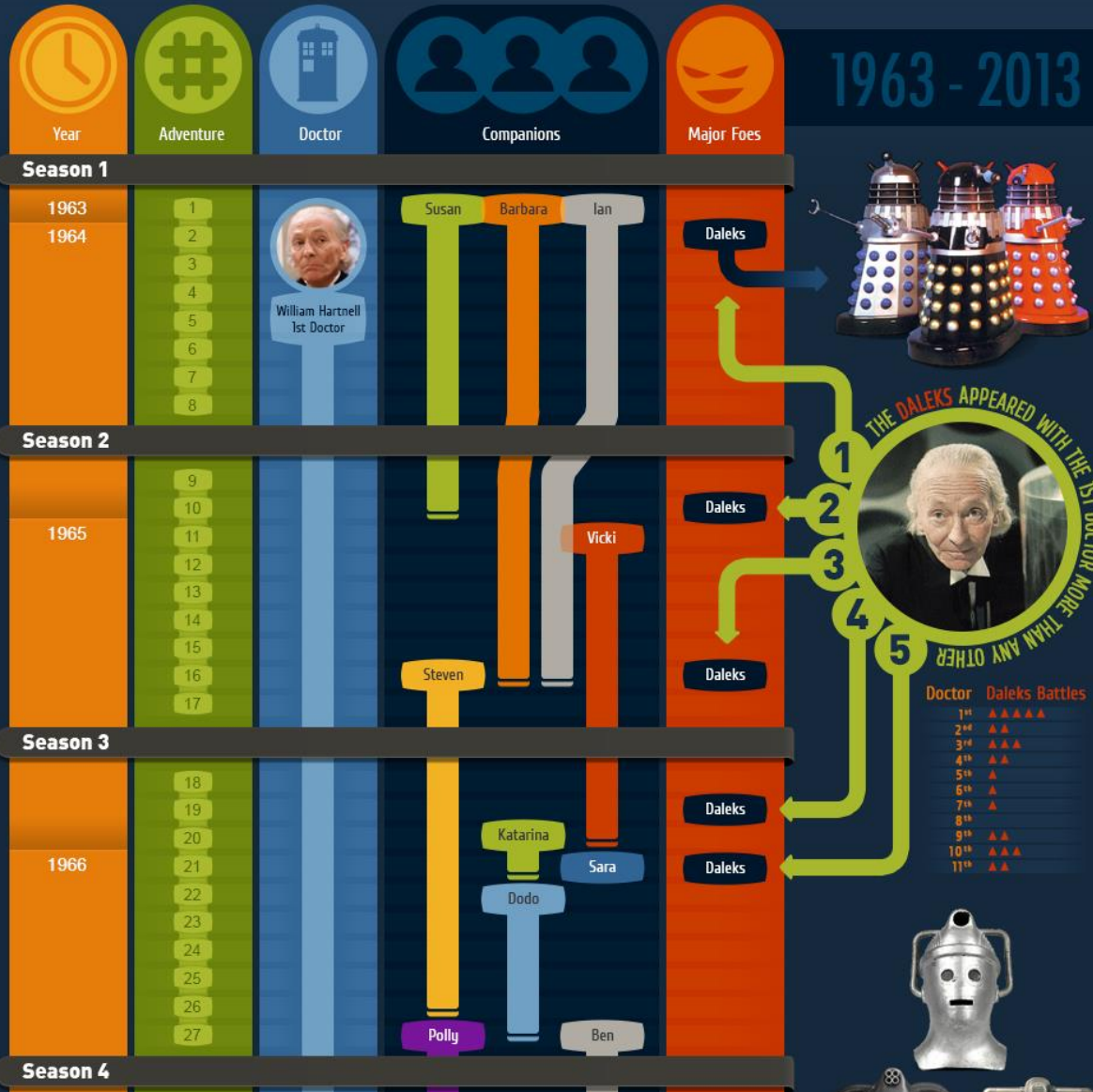
Solvent: the smaller part of the mixture that gets dissolved.

Solute: the larger part of the mixture that dissolves the solvent.

The Good

- Simple
- Concise
- Clear

TIMELINE OF DOCTOR WHO



The Good

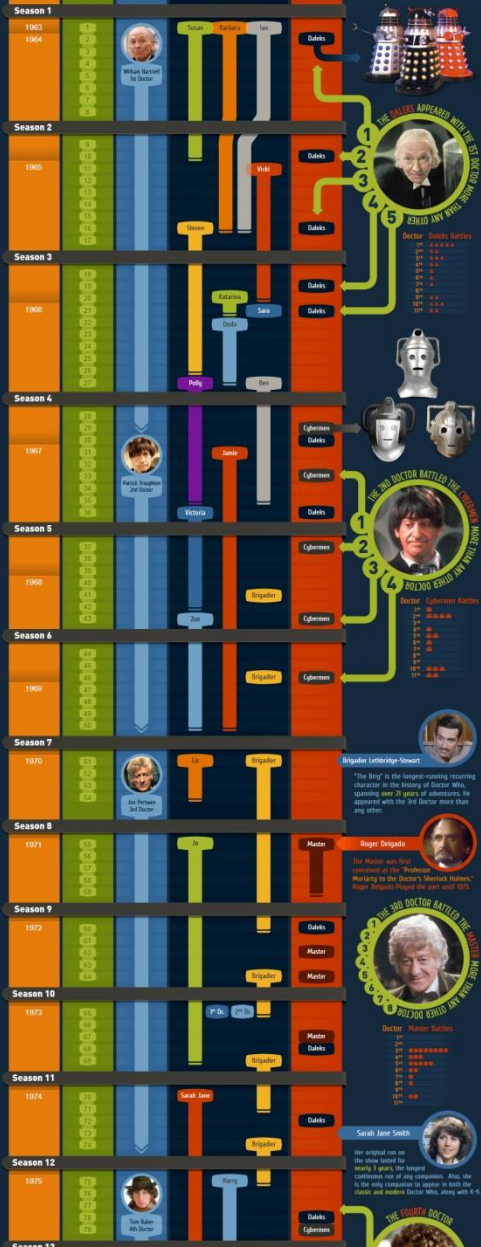
-Clear

-Concise

-Still can have LOTS of info.

TIMELINE OF DOCTOR WHO

1963 - 2013

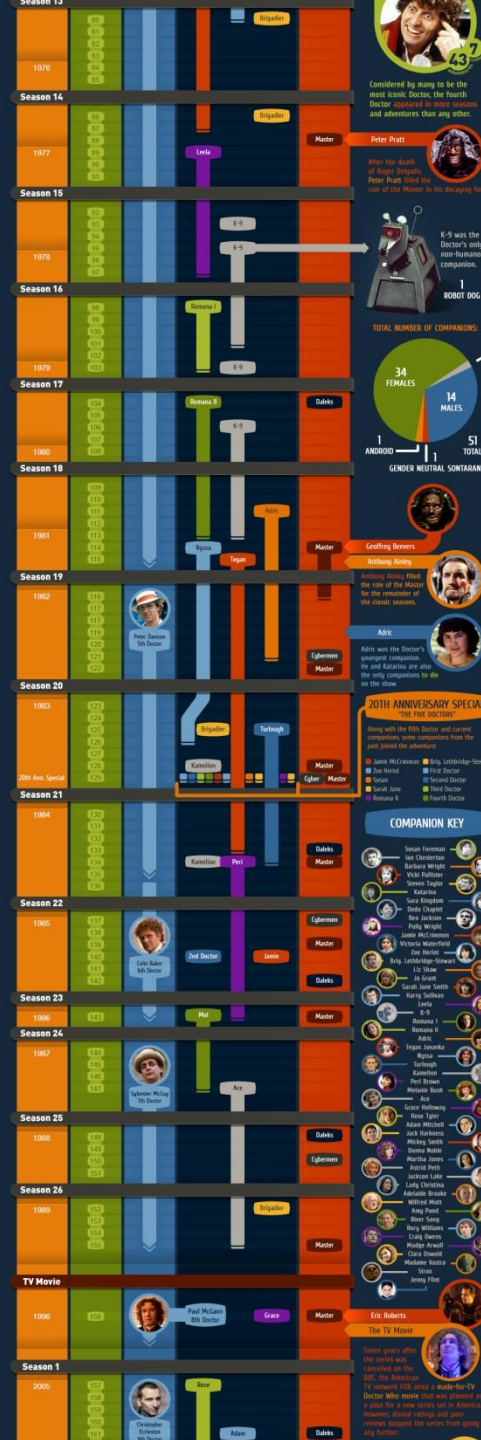


THE FIRST DOCTOR APPEARED WITH THE TARDIS IN 1963. HE WAS THE ONLY DOCTOR TO HAVE A COMPANION WHO WAS NOT A CHILD.

THE 10th DOCTOR BATTLED THE TARDIS IN 2005. HE WAS THE ONLY DOCTOR TO HAVE A COMPANION WHO WAS NOT A CHILD.

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Considered by many to be the most iconic Doctor, the Fourth Doctor appeared in more seasons and adventures than any other.

Peter Pratt died of Heart Disease, Peter Pratt lived the rest of the season in his changing form.

K-9 was the Doctor's only non-human companion.

TOTAL NUMBER OF COMPANIONS: 34 FEMALES 14 MALES 51 TOTAL

ANDROID 1 GENDER NEUTRAL SONTARAN 1

20th ANN. SPECIAL THE TARDIS COMES HOME

Adrius was the Doctor's greatest companion. He and Kamelion are also the only companions to die on the show.

20th ANNIVERSARY SPECIAL THE TARDIS COMES HOME

Joining with the 10th Doctor and current companions, they regenerate from the last to join the adventure.

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The Good

Just don't get carried away...

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The Good

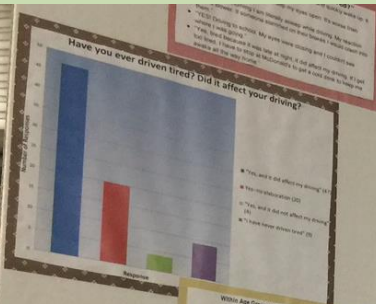
-Some G4 examples

Critique:
A little "wordy".
Good info,
More graphics.

Abstinence From Motor Accidents

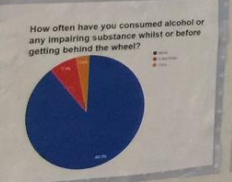
Global Goal:

By 2020, halve the number of global deaths and injuries from road traffic accidents.



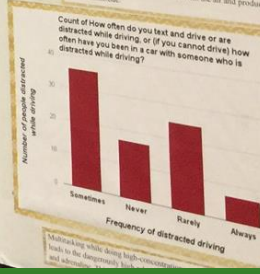
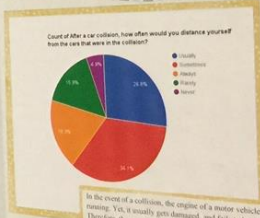
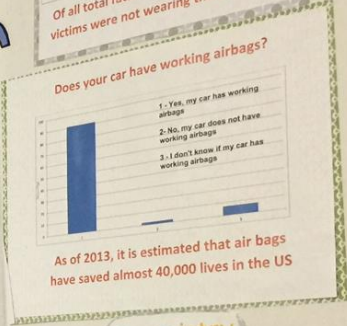
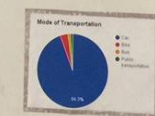
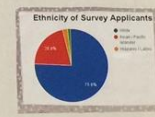
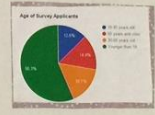
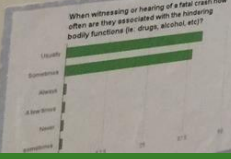
Conclusion
Driving tired is the fourth leading cause of motor accidents, with 1 in 6 accidents being related to drowsy driving. Drowsy tired leads to slower reaction time, memory, reasoning skills, and creative thinking. Research done in Australia conducted that every minute for 18 hours produced an impairment equal to a blood alcohol concentration of 0.05. After 24 hours maximum BAC one can legally have while driving is 0.05. These impairments occur because adrenaline in the brain build up during the day, engaging the motor pathway. If a person does not sleep the previous night, the brain, looking for the next signal, to reduce road accidents people should be encouraged to take a quick nap before driving. Also, the general public should be educated via government agencies about the dangers of driving tired.

Biology 1



POSSIBLE EFFECTS ON MEET GOALS

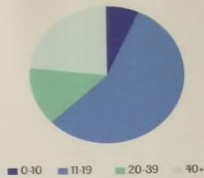
- Compromised driving
- Public transportation
- Other consequences may be enough
- Calling someone to pick you up



13.3

UN Goal: Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

Demographics (age)



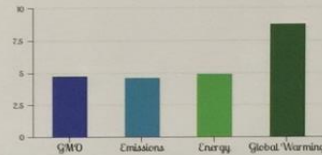
Our studies largely focused on the current state of education pertaining to the four scientific disciplines.

- Bio 1: Focused on the need for education about global warming, and how to begin reducing human impact
- Bio 2: Focused on GMOs as a means of adaptation and global warming mitigation.
- Computer Science: Focused on sources of renewable energy and the current state of common understanding.
- Chemistry: Focused on chemical emissions and Greenhouse Gases

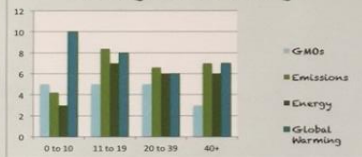
92%

92% said that the general topic is one they consider to be important yet the knowledge on the topic is very low

Average Knowledge out of 10



Willingness to Change



This shows the willingness of different demographics to implement the UN goal listed above



Global Warming

83.6% of the people who were surveyed believe that global warming affects the world. Many of them also agreed that we should change our living habits to prevent further damage from occurring. They were willing to make more conscious decisions, as well. Those who were either not sure or didn't agree with global warming still believed that it was still an important lesson to learn in schools.

GMOs

Of the data we received, 47.9% of people said that they never formally learned about GMOs in school -- high school or otherwise. Consequently, 40% of people said that they did not understand the impacts of GMOs on the environment, and 60.3% of people did not have an opinion on GMOs.

Renewable Energy

When asked to rank the effectiveness of four different types of renewable energy, 60% of the "10 and under", 15% of the "11-19 year olds", 10% of the "20-39 year olds", and 4.1% of the "40 and over" demographic answered the correct response: solar energy. Three of the four demographics had the majority rank "Geothermal" as the most effective renewable energy.

Emissions

Although 80% of those surveyed have at least a high school chemistry education, only 41% understand chemical emissions. Furthermore, only 17% know how chemical emissions affect the environment.

The Good

-Some G4 examples

Critique:
Decent.
Again, a little
"wordy"

G4 GROUP 7

PRESENTATION

TOPIC 3.3: BY 2030,

END THE EPIDEMIC

OF MALARIA

Using Technology to combat malaria

How technology can be used to help us achieve UN goal 3.3 in fighting malaria.

IB CS

Most Effective Ways for Computers to Combat Malaria

Important Factors in the Distribution Anti-Malaria Technology

Perceived Effectiveness of Technology

Key Takeaways

The majority of people believed early diagnosis and development and distribution of vaccines are the most effective ways that technology can combat malaria.

We should focus first on refining and perfecting our existing technology before doing anything else.

The most important factor in anti-malarial vaccine distribution is accessibility.

USING CHEMISTRY TO COMBAT MALARIA

How effective do you think drugs are in combating diseases?

Resistance

Some malaria parasites have the ability to survive medication.

Drug resistant pathogens have made some medications ineffective.

Have you taken drugs before to cure a disease?

Vaccines

Vaccines are substances that provide immunity against a disease.

It does this by stimulating the production of antibodies.

Chemicals

Chemicals are used to kill the Plasmodium parasite.

1. Not sure
2. Affects the immune system
3. Help the immune system
4. Improve physical and mental ability

How do you think drugs cure diseases?

Key Takeaways

Chemicals are used to kill the Plasmodium parasite.

Artemisinin, Mefloquine, Sulfadoxine-pyrimethamine, and Chloroquine are used to kill the Plasmodium parasite.

Vaccines are substances that provide immunity against a disease.

It does this by stimulating the production of antibodies.

Some malaria parasites have the ability to survive medication.

Drug resistant pathogens have made some medications ineffective.

Some people have taken drugs before to cure a disease.

Some people are not sure how drugs cure diseases.

Some people think drugs affect the immune system.

Some people think drugs help the immune system.

Some people think drugs improve physical and mental ability.

USING IB BIOLOGY 2 to SPREAD Malaria Awareness

A major step needed in stopping the spread of malaria is being able to identify those who are most at risk of contracting the disease. It is the majority of the world's poor to learn to identify those who need malaria prevention more than others.

Bio 2

Out of 40...

Knowledge of Malaria Scale

Facts and Tips

Large amounts of people are unaware of their blood type.

Scientific evidence shows that those with blood type "O" are more protected from the most severe forms of malaria. Those with the blood type "A" have the highest risk for severe malaria.

Using Biology to Combat Malaria

Studying the awareness of the effects of malaria upon the body and the willingness of people to use medical and environmental prevention methods.

BIO 1

Out of 40...

21 people did not know of malaria's effects.

HOW DOES MALARIA AFFECT THE BODY?

Only 1 person was aware of how malaria affects the body.

Percent willing to use prevention methods...

Key Takeaways

Only 1 person was aware of how malaria affects the body.

21 people did not know of malaria's effects.

Most people are willing to use prevention methods.

The Good

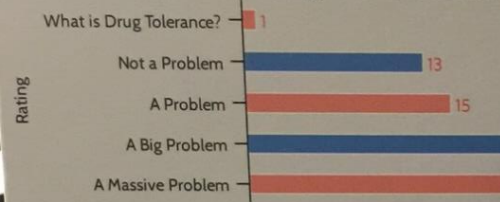
-Some G4 examples

Critique:
Good use of graphics and info.

Universal Health Coverage

Good Health and Well-Being

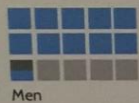
Problems with Drug Tolerance:



Problems with Medicine:



Rated 5- Vaccinations of children are very important!



Men

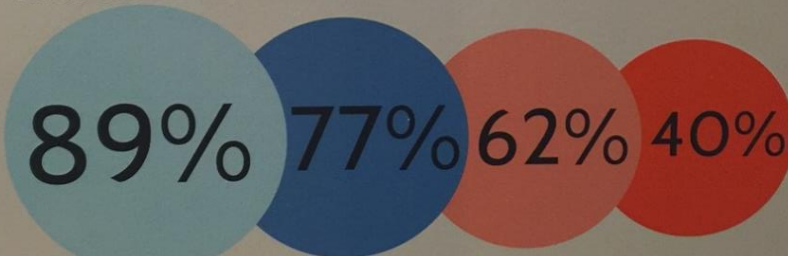


Women

85%
IN FAVOR



What should be included in Universal Health Coverage?



Prevention/Treatments of Diseases

Vaccinations

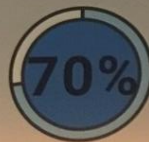
Family Planning

Trained Health Workers attending births

Would you pay extra for all foods to be labelled if they are genetically modified (GMO)?



Altering Genetic Sequences to STOP Terminal Disease



Said I would not let them alter my DNA!

The Good

-Some G4 examples

Critique:
EXCELLENT
EXAMPLE

-Clear, concise
Great info &
graphics.