Preparation for Writing

Using Facts and Statistics from Charts and Graphs

Grade 9 and 10 Writing

Class 15

Points for consideration

- What information does each of the following graph deliver?
- What do you learn from the graph(s), personally?
- What other information do you need? What are you curious about?
- What conclusions can you draw from a combination of graphs?
- Can you write an argumentative essay based on the information provided by the graphs? What would the topic be? What would you argue? How would you word your thesis statement?

Employment growth highest for university grads

Figure 1: Employment growth in Ontario for those 25 years and over by educational attainment, indexed at 2004=100
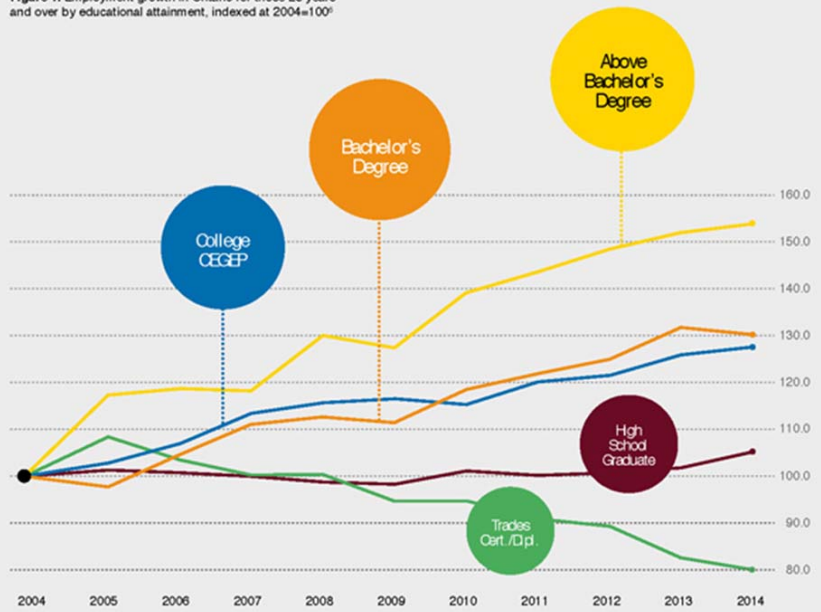
(Web resource: http://cou.on.ca/charts/over-a-40-year-peroid-a-univerity-graduate/)

ONTARIO UNIVERSITY GRADUATES ARE GETTING WELL-PAYING JOBS IN THEIR FIELDS

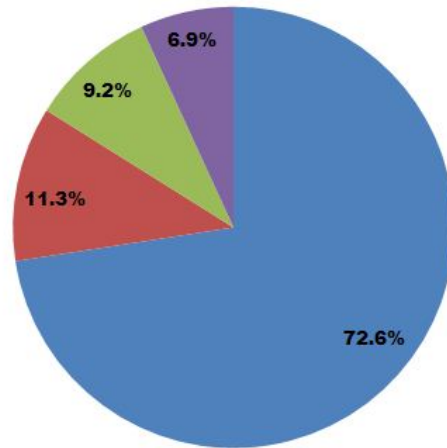Survey of 2012 graduates shows the best path to career success is still a university degree

(Web resource: http://www.citynews.ca/2015/09/01/university-pays-off-in-two-years-ontario-survey-finds/)
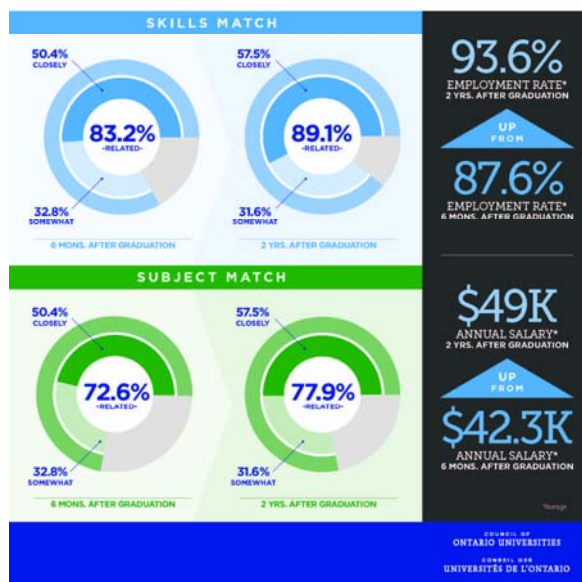
Employment for Recent College Graduates: Oct. 2011
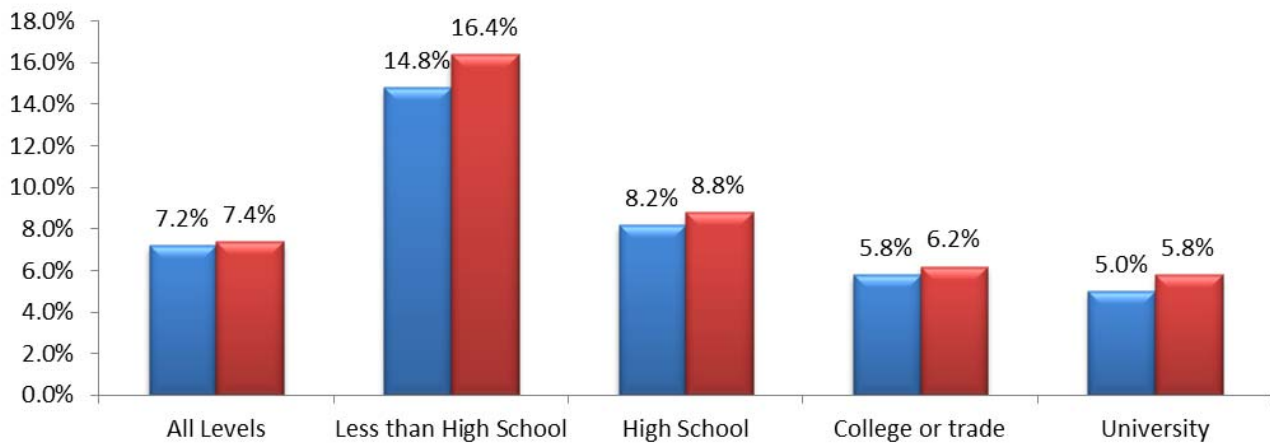
(BLS Monthly Labor Review, Feb. 2013)

- Employed
- Unemployed
- Out of the Labor Force, In School
- Out of the Labor Force, Out of School

6.9%

9.2%

11.3%

72.6%

(Web resource: https://qz.com/70901/how-bad-is-the-job-market-for-us-college-grads-your-definitive-guide/)

2012 Unemployment Rates in Canada based on Education Level

- Aged 15 years and over
- 25- to 29-year-olds

	Aged 15 years and over	25- to 29-year-olds
All Levels	7.2%	7.4%
Less than High School	14.8%	16.4%
High School	8.2%	8.8%
College or trade	5.8%	6.2%
University	5.0%	5.8%

(Web resource: http://www.financingpse.ca/index.php/students/benefits-post-secondary-education/)

Of today's 27-year-olds who went to college, how much did they borrow in student loans?

39.80%

20.20%

16%

13.10%

10.90%

$0 $0.01–$9,999 $10,000–$24,999 $25,000–$49,999 $50,000+

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Teen Social Networking Stats

- 73% of teens are on social networks
- 37% send messages to friends every day
- 8% of American teens use Twitter
- 22% of teenagers log on to Face book over 10 times per day
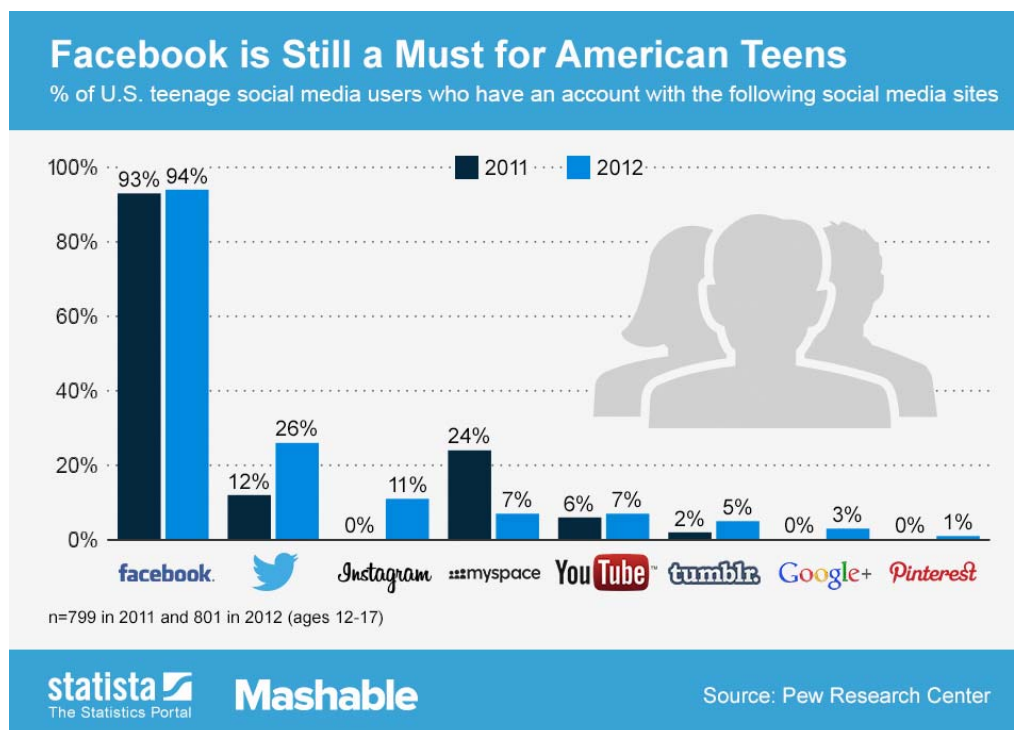- 25% of Facebook users are under the age of 10
- The average teen has 201 Facebook friends

(Web resource: http://lam-network.com/highly-educated-highly-indebted-the-lives-of-todays-27-year-olds-in-charts/)

Facebook is Still a Must for American Teens
% of U.S. teenage social media users who have an account with the following social media sites

2011   2012

	2011	2012
facebook	93%	94%
Twitter	12%	26%
Instagram	0%	11%
myspace	24%	7%
YouTube	6%	7%
tumblr	2%	5%
Google+	0%	3%
Pinterest	0%	1%

n=799 in 2011 and 801 in 2012 (ages 12-17)

statista — The Statistics Portal   Mashable   Source: Pew Research Center

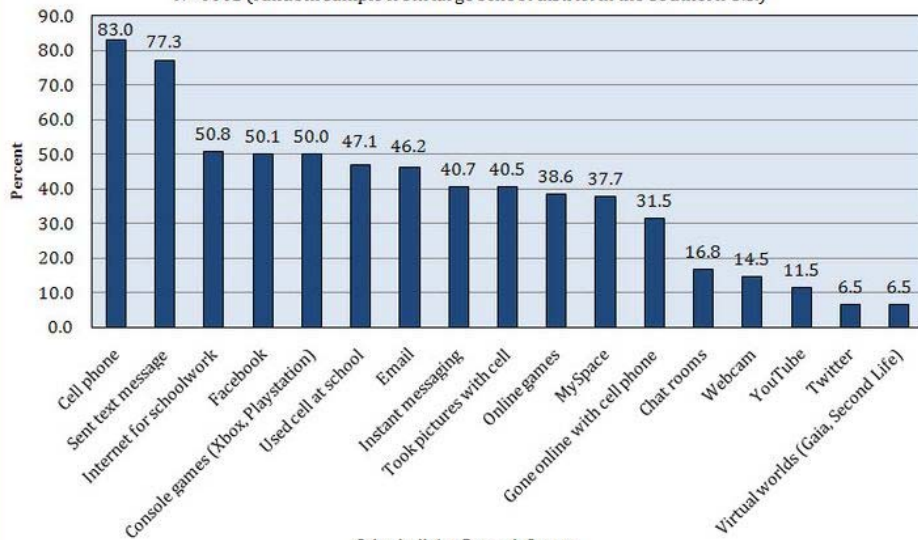(Web resource: https://www.statista.com/chart/1372/social-media-use-among-us-teenagers/)

Sameer Hinduja and Justin W. Patchin (2010)

Teens Use of Technology

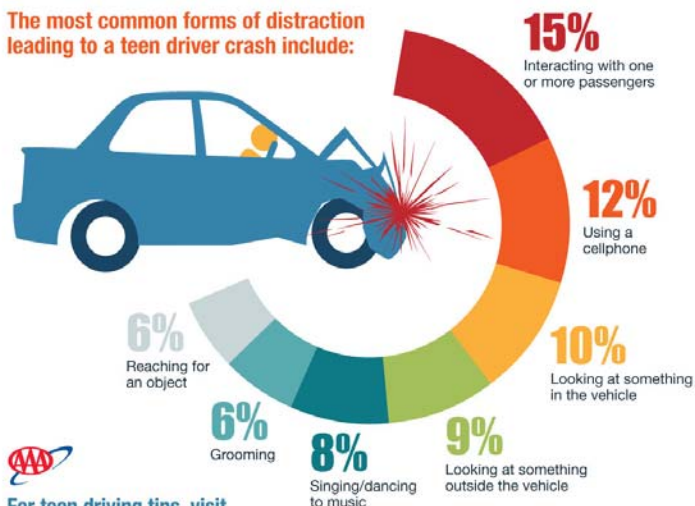Weekly Activities (10 to 18-year-olds)

N=4441 (random sample from large school district in the southern U.S.)

Cyberbullying Reseach Center
www.cyberbullying.us

6 OUT OF 10 teen crashes involve driver distraction.

The most common forms of distraction leading to a teen driver crash include:

15% Interacting with one or more passengers

12% Using a cellphone

10% Looking at something in the vehicle

9% Looking at something outside the vehicle

8% Singing/dancing to music

6% Grooming

6% Reaching for an object

For teen driving tips, visit
TeenDriving.AAA.com

Do you check/update Twitter, Facebook first thing in the morning?

42% Yes, in the morning

58% No, not the first thing in the morning
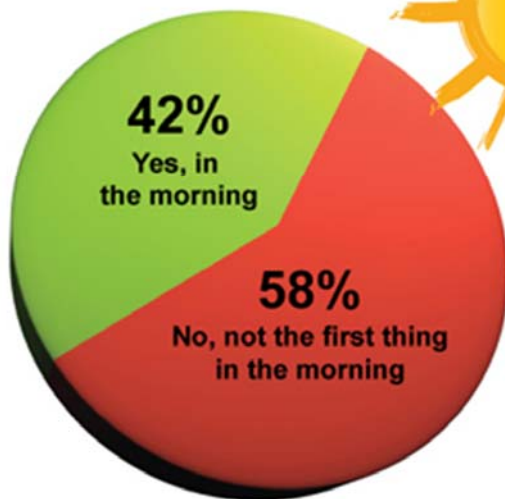
retrevo⟩

Points for consideration

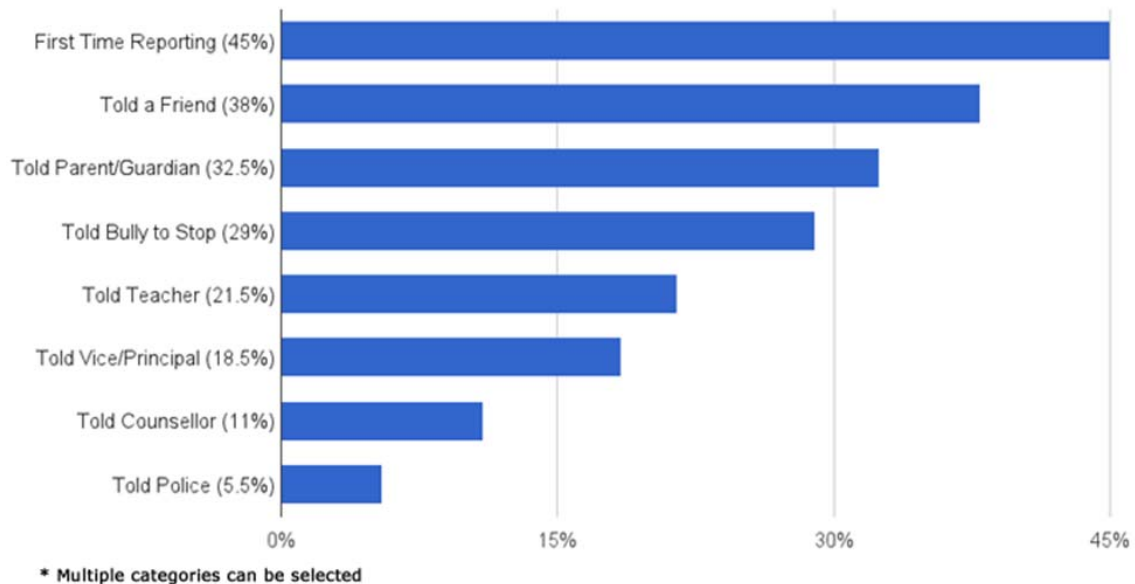- What information does each of the following graph deliver?
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STOP A BULLY
SAFE & ANONYMOUS

BULLYING NOTIFICATION
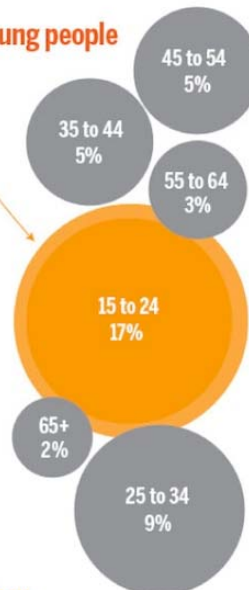(StopABully School Reports from May 2009 - July 2013)

Category	Percentage
First Time Reporting (45%)	45%
Told a Friend (38%)	38%
Told Parent/Guardian (32.5%)	32.5%
Told Bully to Stop (29%)	29%
Told Teacher (21.5%)	21.5%
Told Vice/Principal (18.5%)	18.5%
Told Counsellor (11%)	11%
Told Police (5.5%)	5.5%

0%   15%   30%   45%

* Multiple categories can be selected

Who's most likely to be cyberbullied?

low-income earners

young people

45 to 54
5%

35 to 44
5%

55 to 64
3%

11%
reported being cyber-bullied
$20,000 or less

7%
$20,000 to $39,999

6%
$40,000 to $59,999

5%
$60,000 or more
(earnings per year)

15 to 24
17%

single people

4%
Married or common-law

15%
Single

9%
Separated or divorced

65+
2%

25 to 34
9%

bisexuals

Heterosexual	7%
Homosexual	18%
Bisexual	24%

SOURCE: "Self-reported Internet victimization in Canada, 2009", Statistics Canada
Graphic by Amanda Shendruk | aeiq.ca

MACLEAN'S

Violence Against Female Secondary School Students

More than **4 out of 10 Ontario girls** are the target of unwanted sexual comments or gestures

⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥

1 out of 4 Ontario girls report having been pressured into doing something sexual they did not want to do

⚥ ⚥ ⚥ ⚥

More than **4 out of 10 teenage girls** in Quebec experienced abuse by their boyfriends

⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥ ⚥

Violence Against Female College & University Students

Incidence of woman abuse in Canadian college & university dating relationships*:

79% Reported being psychologically abused

27% Reported being sexually abused

22% Reported being physically abused

15-25% North American female college & university students who will experience sexual assault during their academic career

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As of 2010, there were 582 cases of missing or murdered Aboriginal women and girls in Canada

In 85% of the 582 cases, the age of the victim was known (495 cases)

55% of these 495 cases involved women and girls under the age of 31

17% involved women and girls aged 18 yrs. and younger

Sisters in Spirit

During one school year, **36%** of female students in **grades 7 to 12** experienced sexual harassment through texting, email, Facebook, or other electronic means.

Self-reported victimization of women in Canada in 2009

Compared to older women, women** aged 15 to 34 are:

3x more likely to report non-spousal violent victimization

5x more likely to report non-spousal sexual assault

2-3x more likely to report non-spousal victimization in the last 12 months

Police-reported violence against women in Canada in 2011

Young women aged 15 to 24 are:

- At greatest risk of all forms of police-reported violence against women
- The most vulnerable to sexual violence by a dating partner
- At greatest risk of being murdered by a current or former spouse

15 – 24 yrs. | 25 – 34 yrs. | 35 – 44 yrs. | 45 – 54 yrs. | 55 – 64 yrs. | 65 & older

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Bullying

is an "aggressive behavior that includes an imbalance of power and is repeated over time"

13% of students are cyberbullied on a daily or weekly basis.

Children who are bullied are more likely to suffer from anxiety, depression, loneliness, and post-traumatic stress and are at heightened risk of suicide.

46% of adolescents with an Autism Spectrum Disorder reported being targets of bullying.

1 in 7 MN children are regularly bullied. An estimated **100,000** kids each year.

94% of students with disabilities report being a bully victim.

Children's Hospitals and Clinics of Minnesota

▶ Learn more at childrensMN.org/Bullying

Behavior of Bullied Students

Percent

Behavior	Percent
Feared Attack	10.5
Skipped School	3.6
Skipped Class	2
Avoided Activities	3.4
Avoided Specific Place	11.3
Physical Fight	11.4
Carried Weapon	4.3