

Logbook

Timeline

- February 10 - look for a topic
- February 15 - Finish background research
- February 18 - Half way finish research
- February 22 - Finish research
- February 23 - Start Methods section
- February 24 - Collect data from classmates
- February 26 - Finish data section
- March 1 - Mr. Tackney chooses projects
- March 2 - Finish everything add final touches
- March 4 - Finish video
- March 19 - project due

February 12 - look for a topic when my budgie hit my window that's how I found my topic. Did background research.

- Birds can't see glass, window largest killer of birds after cats
- Other innovations are highways, wind turbines, skyscrapers, cell towers, pesticides.

look at questions before

February 12 - I looked for more questions to research. Also I found the questions by thinking I had got budgies one and a half weeks ago and let them out for the first time. I had made a mistake and forget to put blinds down. The first thing one of the two hits the window and falls to the ground in shock. That budgie doesn't move for 30 minutes. The hit was that hard so there was no injury. Right after the same happens to the other.

February 12 questions

How to prevent birds from flying into
25m - Canada - 2017

~~25m - Canada - 2017~~

Injured, dying birds in food, All bird affected

High visibility decals

Affect day and night in the day windows act as mirror and reflect the land scape At night light can act as confusing and disorienting attract to the light or disrupt their migration patterns

Marker tape

Repellent, window covering, high definition call to scare
Research bird eyes and ears

Anything that stops reflection. Bird feeders 3 feet
of window or 30 feet.

To help bird that hit window. They are good at
hiding injuries because they are prey animals.
get a box ready with small holes. Use
pillow case, towel, etc to cover bird in box
and secure top of box. Call a wildlife hotline.
Don't give food or water can harm them.

Toronto is on a major bird migration route

look for major city of bird migration
why

All Toronto public schools have a bird house

February 12 2012

Toronto's steps

Reduce the amount of glass in buildings

put marking on glass so birds can see

Stop reflections with 100% windows

use shutters or sunshades in high glass

Turn light off so birds are not attracted to it

Ecosystem: mess up insects population

Human Health: affected with more disease

Affect health care systems

Domestic violence increase from stress
medication MISS more less income

Which bird (twisted) affected most

Insulation with 100% windows

Statues of predators

Aluminum plates

windmill - 2012 - 573 007

cell tower - 2012 - 653 007

power line - 2012 - 175 007

building glass - 2012 - 175 007

cars - 2012 - 175 007

birds - 2012 - 175 007

February 12

Birds are territorial animals. If a male bird sees another male bird of his species, they start singing.

Compare the year to see which year you

Affect of bird on society

0109354

Health care

10/10/12

My project is an eye open for all who are
that you can see it as well as I can
see it as well as I can see it as well as I can
to me it is a good thing to see it as well as I can
and it is up to you to see it as well as I can
it is up to you to see it as well as I can

[Faint, illegible handwritten text]

1915

1952

I had listen to a video that was created in Vancouver called "How to prevent birds from flying into windows?" It taught me the following

- 25 million birds die yearly in Canada
- 1 billion birds die yearly in North America
- Birds will get injured 15% fortunate to live afterwards
- Birds have hollow bones so easy to break
- Use high visibility decals or marker tape
- How to handle a hurt bird

How can humans help lower the death of birds due to our innovations?

February 13

Start to research:

- Birds can die from breaking of beak and not able to eat.
- Many get temporarily stunning and manage to fly away but later die of internal bleeding or bruising especially on the brain
- 80% of all collision end fatal
- Cats kill the most
- Many of these cat are allowed outside unattended
- After cats were windows and skyscrapers
- Then cell tower and wind turbines then pesticides etc
- The impacts are insect growth in population
- Insects spread diseases
- Some birds get drunk when they eat our fruit and can't see
- Toronto with most deaths yearly

February 15 - Finish back research

I had completed it all on February 13

February 18 - Half-way finish research

I used my background research too

- Toronto is using 3ep to preserve the bird population. By Reducing glass in building, put mark on the glass so birds can see it, stop reflection, use shutters or blinds, turn off light at night.
- Glass that has no reflection is called invisible glass.

- Top ten vulnerable species are night hunters.

- Die near building with lights on

February 22

Finish project research on the 18th

February 23

Went to Costco and heard the bird repellent very annoying but effective. The birds were very scared. Then I thought a solution could be a less annoying sound. Then I researched a smell that scares birds which is peppermint oil and citronella.

Used three websites today.

February 24

My class is put in isolation, so I asked online 29 students answered. Many so much off by millions. The person with the highest guess was off by 23 m for Canada and 50 m for North America. Teacher were off too. Everyone need to be more educated. So I wrote my data first section.

February 25

I had indepth research on Toronto

- has 67 skyscrapers, 31 in construction, 59 proposed in total 157 skyscrapers to be built
- Why not to use glass in buildings
- Toronto's protocols
- Population of bird how much decrease and where less and most

March 1 - pick

Mr. Tackney picks 11 projects to go to CYSE
My project get chosen

March 2 - Finish

I write my conclusion. My question was answered by many solutions.

Bird repellent, Innovations, use of simple ingredie and solve oil spills. Finished glining everything to the trifold.

March 5-record

I recorded everything started by Acknowledgement then problem, Method, Data, Conclusion read off of laptop had a trifold behind me.