

Displaying an Innovation/Invention

Not an experiment - no hypothesis is needed

Describe how your invention works. Draw a detailed picture / diagram / flow chart / schematic etc.

Title

What you wanted to invent or innovate

Purpose

To design electric gloves so cyclists can signal turns at night.

How was there a need for this invention? How is your project original or innovative?

Significance of my Invention

Many people use bicycles to travel to and from work or school. At night ... etc.

How you went about designing your innovation

Product Development

1. I did background research to see if there is such a product already on the market.
2. I talked to 5 cyclists
3. I drew detailed plans
4. I made my gloves

How you went about designing your innovation

Materials

- a pair of gloves
- 10 m electrical wire
- 2 20 watt halogen bulbs
- A 12 volt battery ... etc.

Light Up Your Night

Description

The cyclist wears a wire harness connected to a battery mounted in the bottle cage, etc.

Diagram

Testing and Evaluation

1. I ran three sets of tests with 1 cyclist and 3 drivers.
2. (Describe procedure ...)

	Trial 1	Trial 2	Trial 3
Driver A			
Driver B			
Driver C			
Average Distance			

Improvements

1. Systems should have a brighter bulb for increased safety
2. My system was too expensive: it cost \$180

Conclusion

My electric gloves work. They can be worn by cyclists at night and be seen by car drivers. They contribute to safety on the road.

What did your observations tell you? Discuss anything interesting or unexpected that happened.

References

(Books and other resources)

Where you found your information

Acknowledgements

I would like to thank

People and associations who helped you

Clare Brooks '00