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4
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Project Title: Min (CO15
YouTube Link:
Short Explanation of Project:
We were doing are agect on
Mirrors because we were intrester
on The different facts of a million

Do you have a signed photo release form for each student?

- Yes
- o No

## Comments

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## Introduction

Why we chose this project...

What we hope to learn...

What is the problem/objective...

Are food would really like to learn about
mirrors because we want to know more
about mirrors, we are really intrested in
learning and expirmenting on mirrors. We also
Want to know can mirrors be made of
Plastic- We hope to learn how mirrors
work and how they are built and the
diffrent forts of the mirror and how does
Windows or gloss reflect aswell.

### Main Information

What we found out about our chosen topic. The key factor reflecting to A micror is wages of the objects millors are shipy metallic Coaling on mirrors are more. a steel of along is taken smooth and cleaned. North the mother metal. Ther the with couler by the m to frater it from scrotches

The affectance of an impac in a mirror is " · Clartial Reflection hatters with 1-1100 1.7/1 hits a surface of the light carnot Pass through the Surfaces K bounces mineral and a second or reflects. Most Surfaces absorb Some light and reflect Some light Mirrors however reflect almost all the light that hits them. The metallic racting on the back causes the reflection. When you stand In final of a mirrory your body reflects follows of a light to the mirror. Those fetteins of light bounce off the mirror and To back it your eyes. Your brain then whatefield is sends, the Politering of Egit es an image of Yourself to the nirter

#### Types of mirrors

mirrors are flot. They are called mirrors. Images in a plane piccous reversed. For example if you mise right hand while looking in a miller Will afen to take your left hand. Feefle use Plane mirrors to check their affectores. Other microis are curved. Convex mirrors curve outward like a dome. They move objects affect reversed smaller than their actual size Concord and miliere Curve inwards like a bowl. At a distance they make objects affect uside down. Nearby however objects after right Side up and larger than their actual 5,20.

# Experimental Methods

#### **Research Question:**

1. 40	u Put	COLL	Care Co	doller	* (*)	a 90°
home	made	niffef	Would	it	Show	Moce
than	just	016	Candle	in	tine 1	middle?

#### Prediction/Hypothesis:

1.10	+	M 10 C		N W2	Put fou	ic f	ave condles
1.7	ghe_	nlide	lle of	a home	Mode	900	mirror
				more.			

#### Materials used:

	our	() rst	experi		4	Me	USE	d
Care	bootd	19/4e,	116	and	a	Piece	S.Jo.	Paper.
ø					3			

#### Procedure:

First we cut a rectangle out of a
Cardboord Shoe box. After that we ruled
a fiere of fofer then cut it out then
we cut hin foil and glued It on the
Cardboord - we tested It out by Putting
our hand on the Paper.

#### Observations:

we have learned that most micross have a sheet with a shink metallic coating on the back. We have also learned that mirrors are made in factories with special machinery.

#### Conclusion:

Our	Pod		learned	how	mirro	is Work.
Out	Pod	leame	d that	You	could	Mote
	miller	OUL	of Car	abaoid	and	tinfoil
	obvio	usly lt	doesint	WOLK	0.5	9000 as
	ortual	mirror				

Diagram(s):

# Experimental Methods

#### **Research Question:**

It JOM	0.010	More	mirror	s to t	he light
Maze V	lould	the lig	ht tra	vel fur	theri

#### Prediction/Hypothesis:

Dur	Pod		745	that	You	add	MORE	
Mirio		1.	light	Wev	trov	Z.	further	

#### Materials used:

For	OUT	Seco	nd	experia	of No	the ligh	t maze
							Willels
							on the
lego							

#### Procedure:

We	Made	1890		a n	Meze	ond	then	we_
atta	ched	Missols	10	tke	Cost		With	
Plas	dough	after	that	We	skine	d a	flas	
		he m						
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	11)							
	t.							
			Obse	rvatio	ns:			
Wo	have	Rain			TW:	Can .	travel	through
		hea m						
. #	Moz2.	·	Y DE E	w 10 %				
_ UFIE	111/16. 5.							

#### Conclusion:

Our fod had learned how mirrors work.

Our fod learned that you can make light

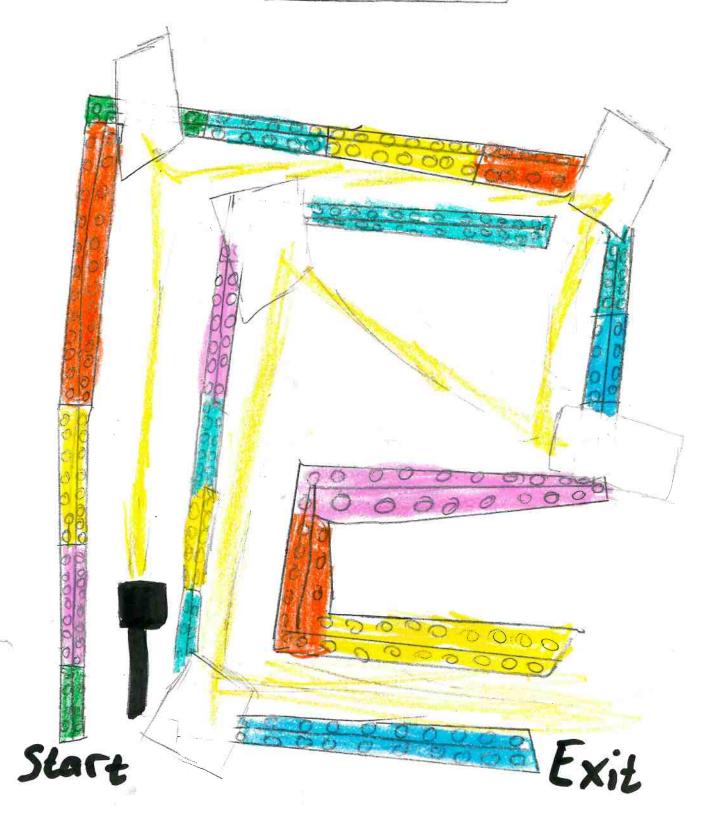
travel + hrough a light maze. We used a

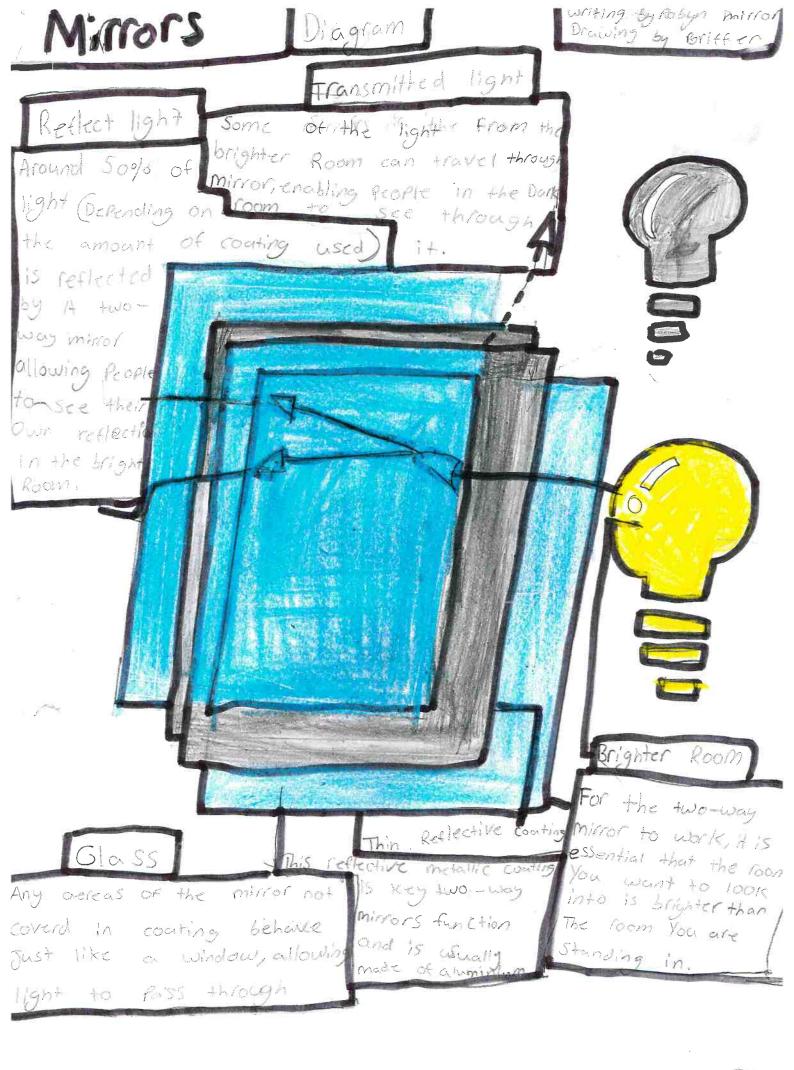
light but it was not fowerful enough. So

we got a fowerful light and it worked.

Diagram(s):

Leight MAZE





## Conclusions

What we learned.

The key discoveries that we made.

What we enjoyed most while doing the project.

What we found most challenging.

What we would do differently if we were to begin again.

our Rod learned how mirrors work, The differen
Parts of the micror and how light bounces off
micross.
we discovered that if you make a moze
and rut mirrors in the corners of the light
Moze then it will bounce light so the light will
travel through the light maze.
we enjoyed most was building the light more
and Watchine the light travel through
the maze.

we found most challenging was sticking
the mirrors to the corners of the light
maze.
If we started again when we were doing
OUT EXPERIMENTS for our mirror book we
Would change instead of using tinfoil and
cardboord we would use a actual mirror.
For our light maze we would of changed
the size of the mirror and would of
liked them to be smaller.

# Acknowledgements

Support we received with our project...

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## References

Books, websites, articles or other references that helped us with our project.

Kids.britannica.com	
Youtube . com	

