

# Ada's ADVENTURES IN SCIENCE





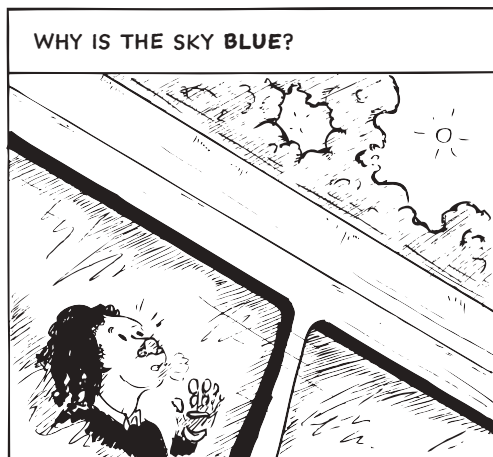
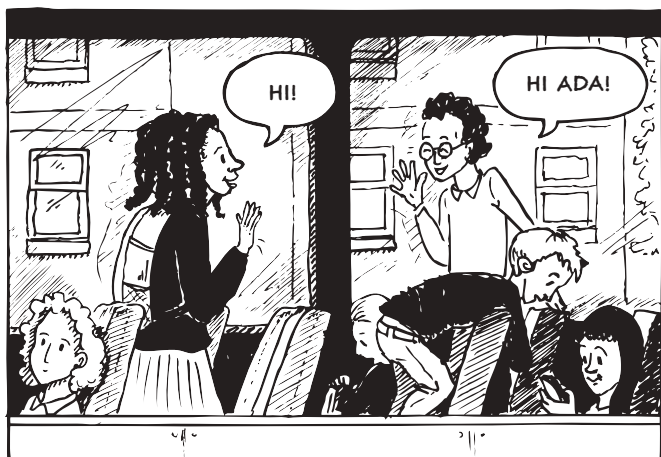
THERE IS

NO SUCH THING

AS A

stupid question







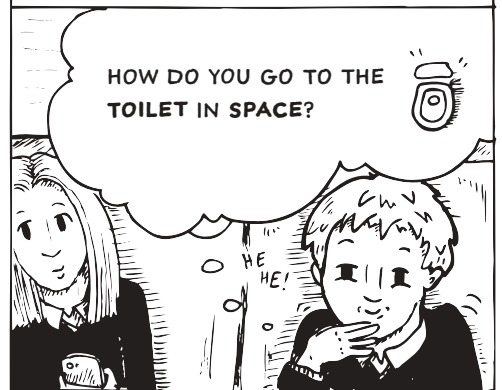
MAYBE YOU HAVE REALLY BIG QUESTIONS...



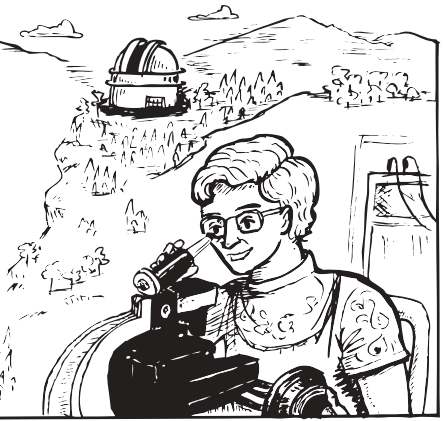
...AND SIMPLE ONES...



...AND SILLY ONES!



BEFORE 1965, ONE OF THE BEST  
ASTRONOMICAL OBSERVATORIES  
DIDN'T ALLOW WOMEN TO USE  
ITS **SCIENTIFIC INSTRUMENTS**.  
THAT ALL CHANGED WITH  
**VERA RUBIN**.



SHE WAS STUDYING  
**SPIRAL GALAXIES**  
AND FOUND OUT THEY  
SPIN SO FAST, THEY  
SHOULD BE FLINGING  
THEMSELVES APART.



THAT'S WEIRD...



My measurements  
are correct.



Why don't they  
spin apart...  
WHAT AM I  
NOT SEEING?



That's it!



Something we  
cannot see.



SHE FOUND SOMETHING THAT DIDN'T SHINE  
ANY **LIGHT** BUT HAD **MASS**, HOLDING  
GALAXIES TOGETHER. NOW WE HAVE A NAME  
FOR THIS:

**DARK  
MATTER**

THEN THERE WAS A **CURIOUS** BOY WHO DIDN'T GO TO SCHOOL BECAUSE HIS FAMILY WERE POOR. HIS NAME WAS **MICHAEL FARADAY**.

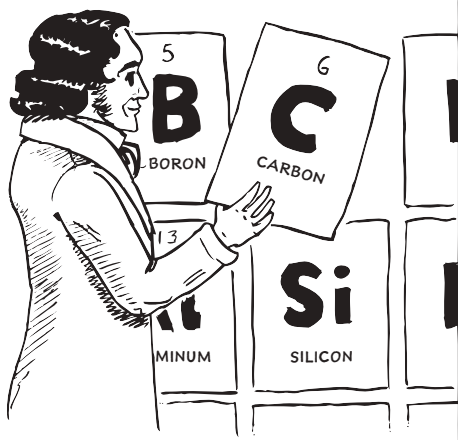


HE GOT AN APPRENTICESHIP WITH A **BOOKBINDER** AND STARTED TO READ ALL ABOUT **SCIENCE**.

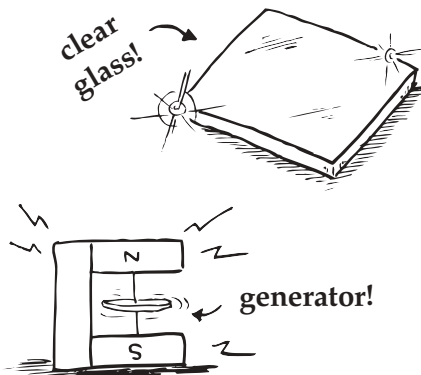


What would happen if...?

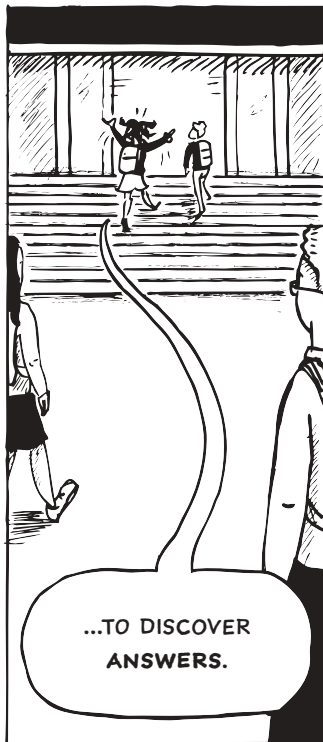
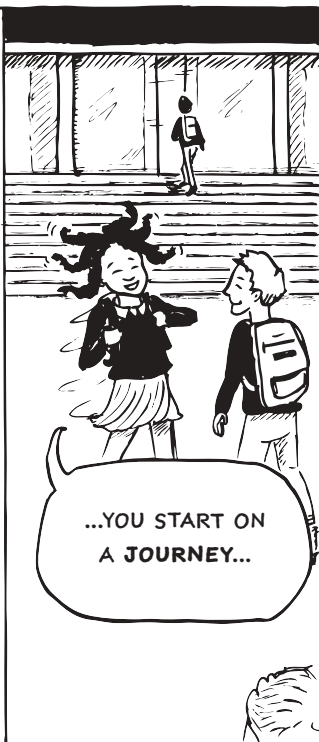
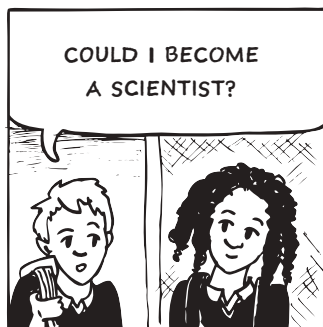
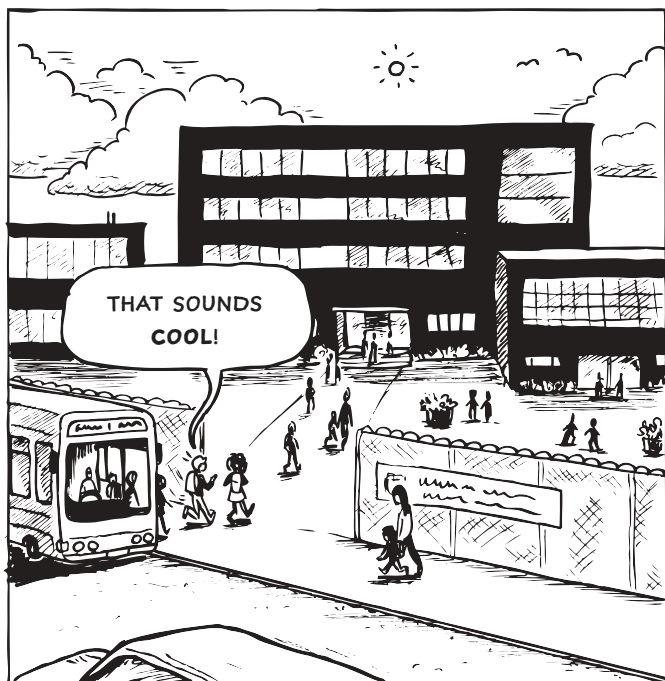
THAT MADE HIM ASK QUESTIONS.



AND FROM THERE HE DISCOVERED **CHEMICAL COMPOUNDS...**



...AND INVENTED THINGS WE STILL USE TODAY.





ADA LOVELACE



NEIL DEGRASSE  
TYSON



MARIE SKŁODOWSKA CURIE



JANE GOODALL



WILBUR & ORVILLE  
WRIGHT



AL-HASSAN IBN  
AL-HAYTHAM



GRACE HOPPER



MARY ANNING

I LIKE  
COMPUTERS TOO!

MAYBE I  
COULD BE A  
SCIENTIST?

I WANT TO BE  
LIKE HER!





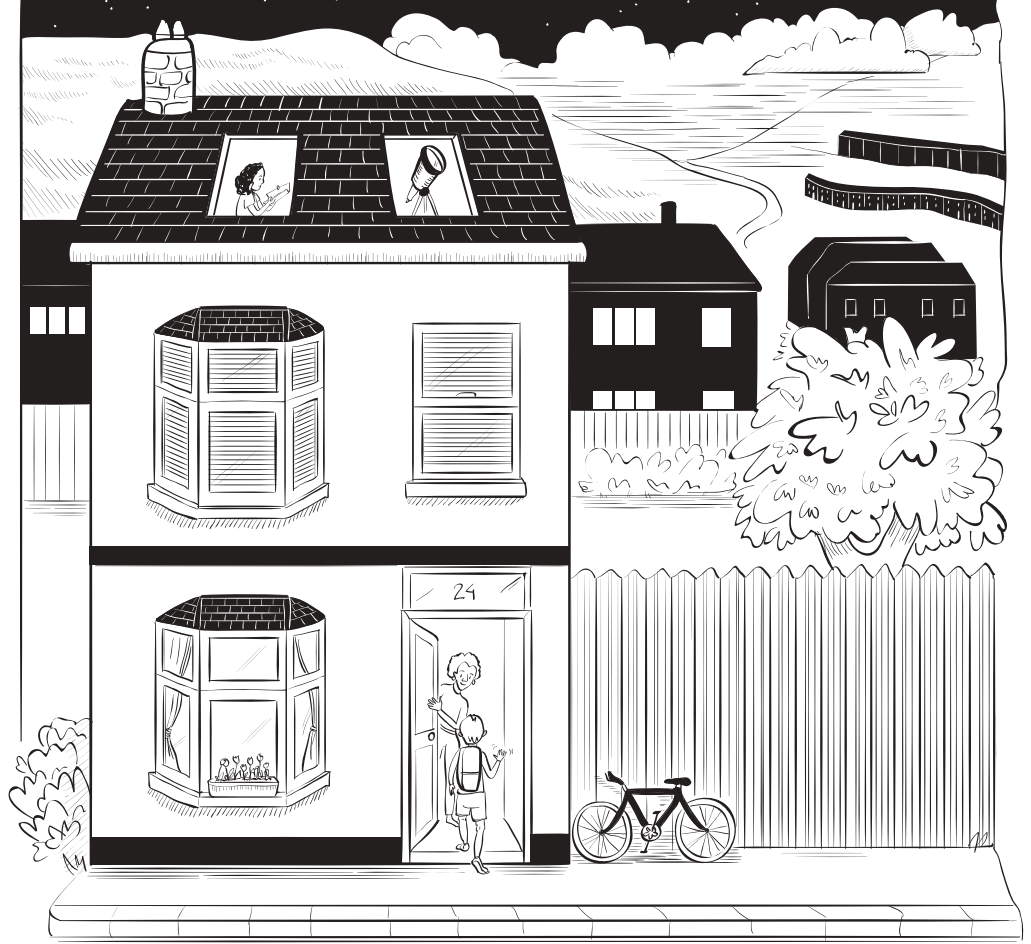
YOU CAN DO SCIENCE TOO! DRAW  
YOURSELF DOING AN EXPERIMENT.

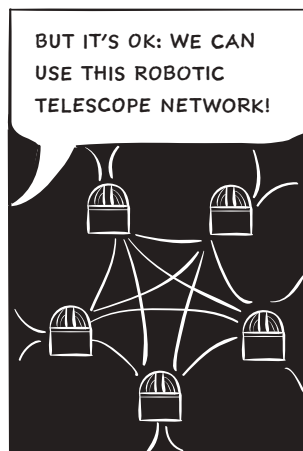
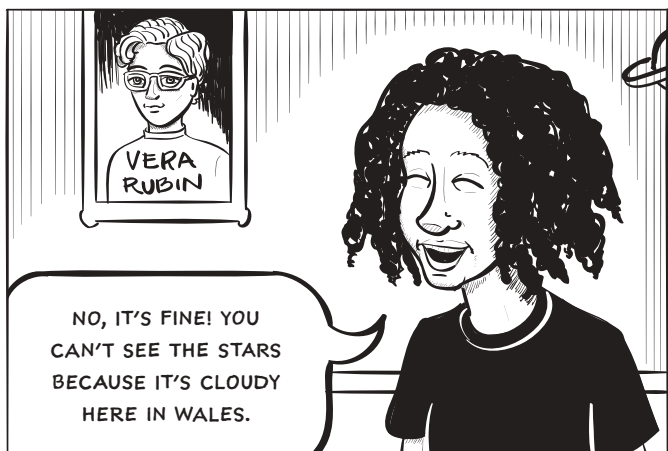




# ROBOTIC TELESCOPES

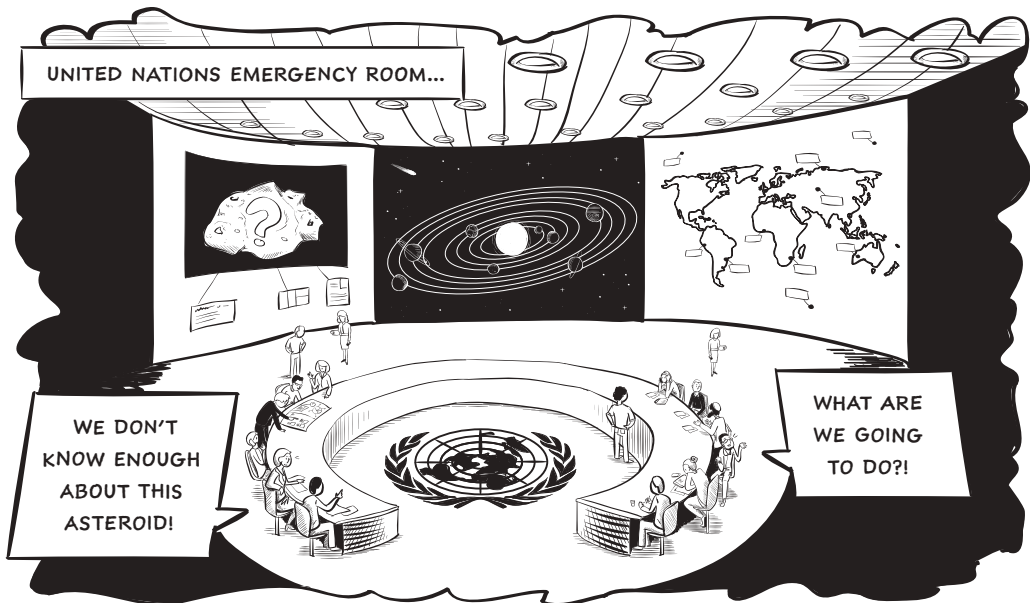
HOW TO DISCOVER COOL STUFF IN SPACE!

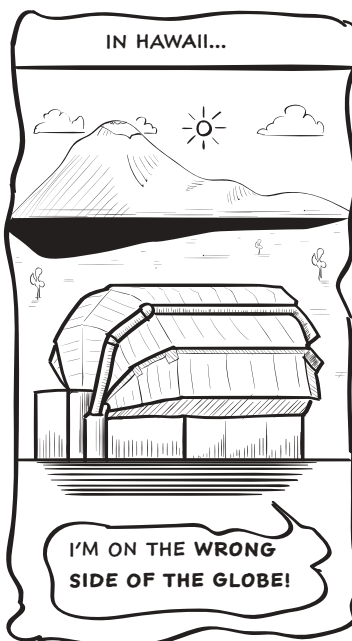
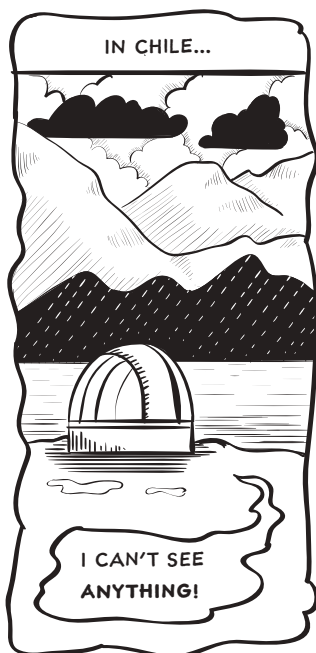
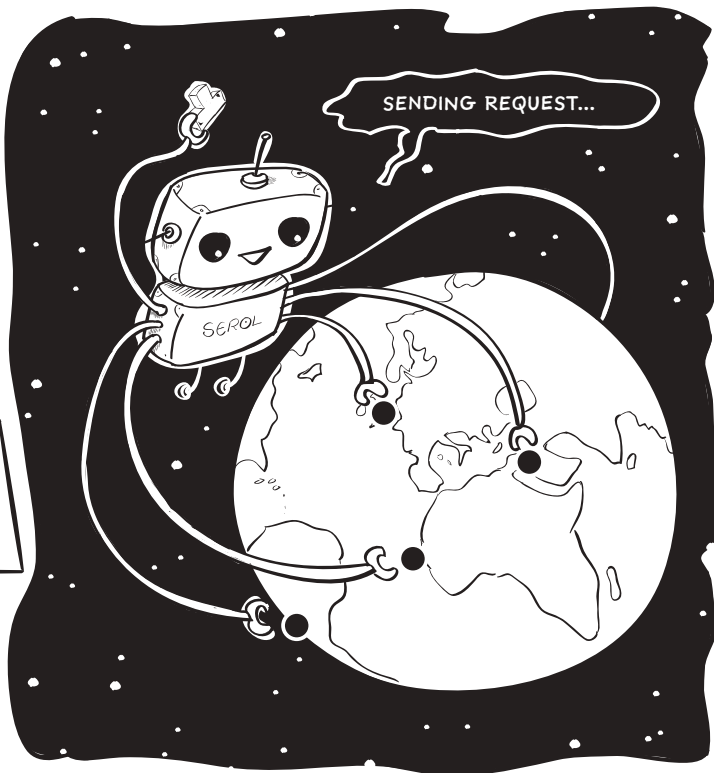


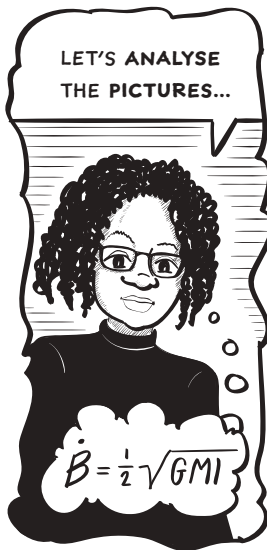


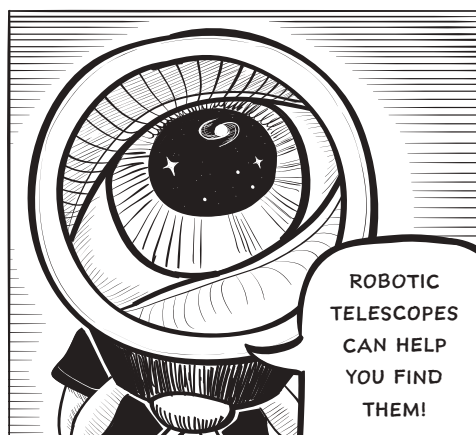
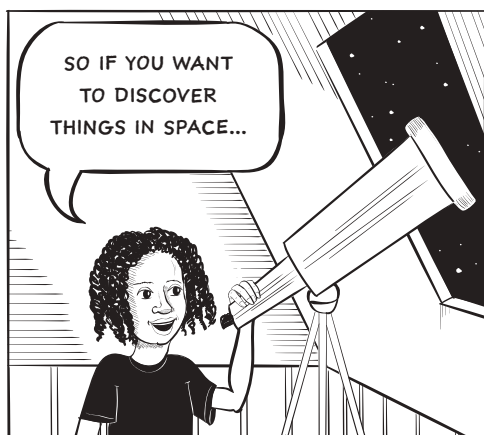
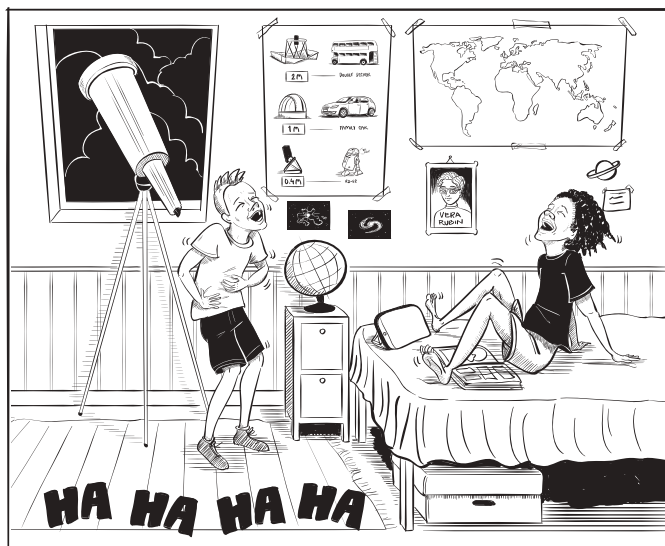




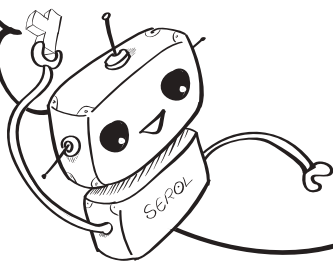








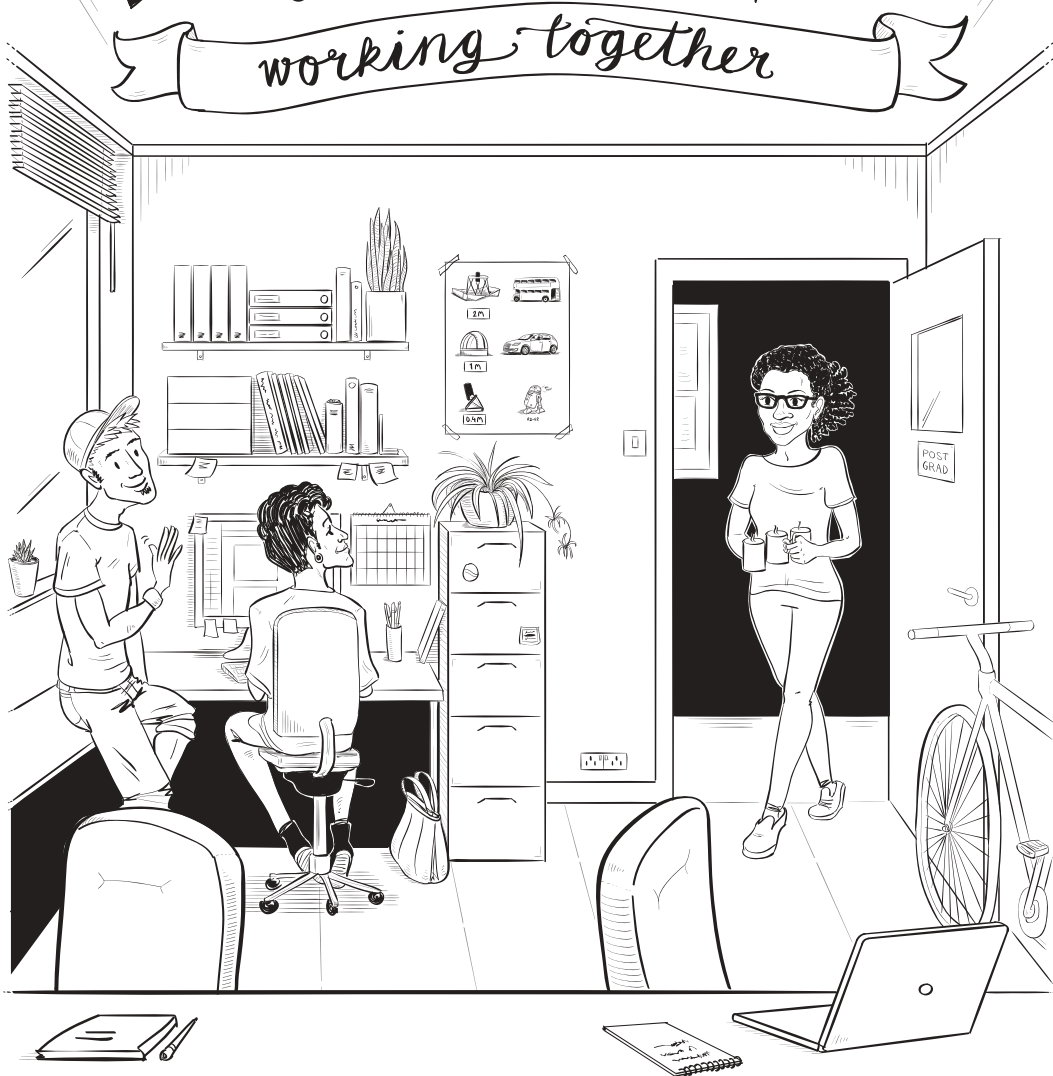
DRAW SOMETHING IN SPACE YOU WANT SEROL'S  
ROBOTIC TELESCOPES TO INVESTIGATE:



# DISCOVERIES

ONLY HAPPEN BY

*working together*





AT THE UNIVERSITY...

HEY ADA,  
COMING FOR  
PIZZA?

ACTUALLY, COULD YOU BRING SOME  
BACK FOR ME? I REALLY NEED TO  
FINISH WRITING THIS!

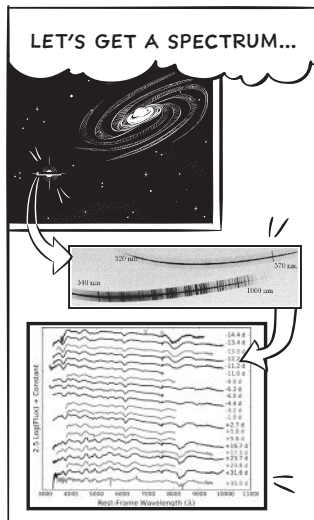
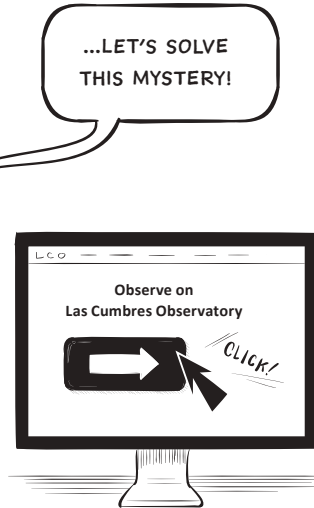
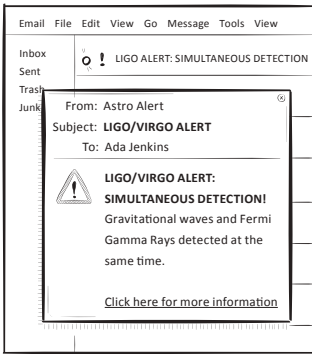
IMPORTANT  
WORK

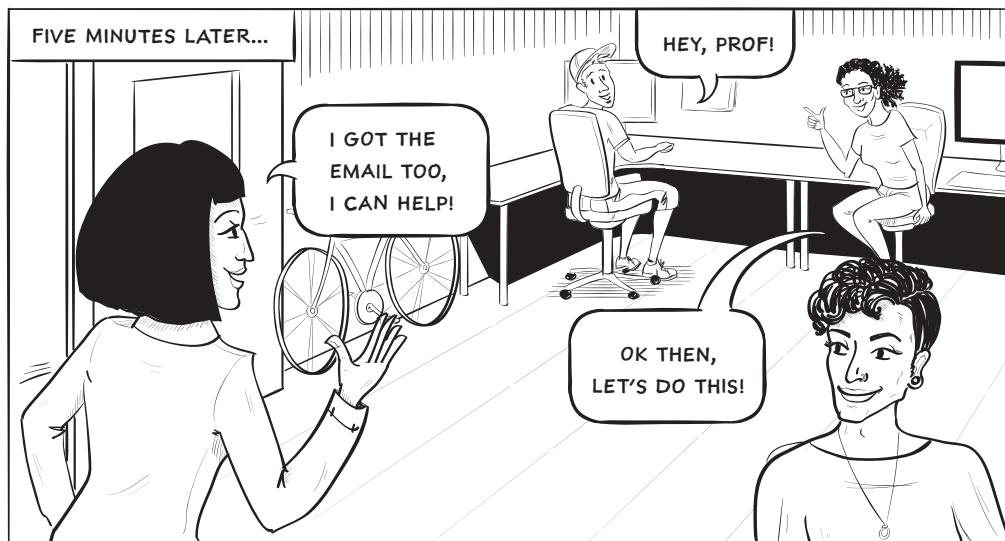
SURE! HAM AND  
MUSHROOM?

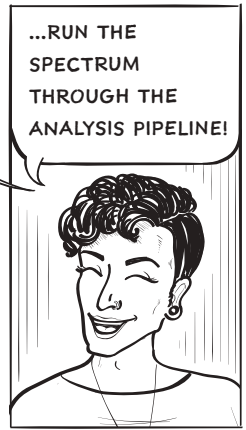
ALEX, MY FRIEND! YOU  
KNOW ME SO WELL.

PING!

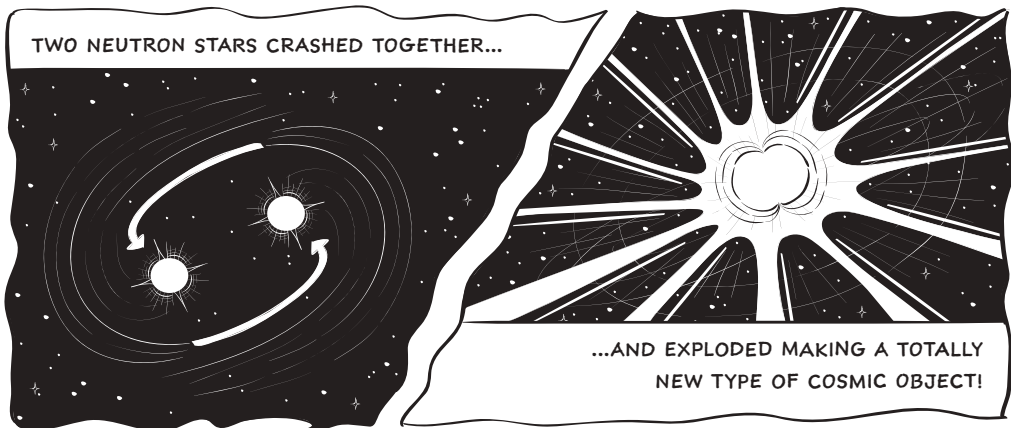








TWO NEUTRON STARS CRASHED TOGETHER...



...AND EXPLODED MAKING A TOTALLY  
NEW TYPE OF COSMIC OBJECT!

THEY PRODUCED A  
**KILONOVA...**



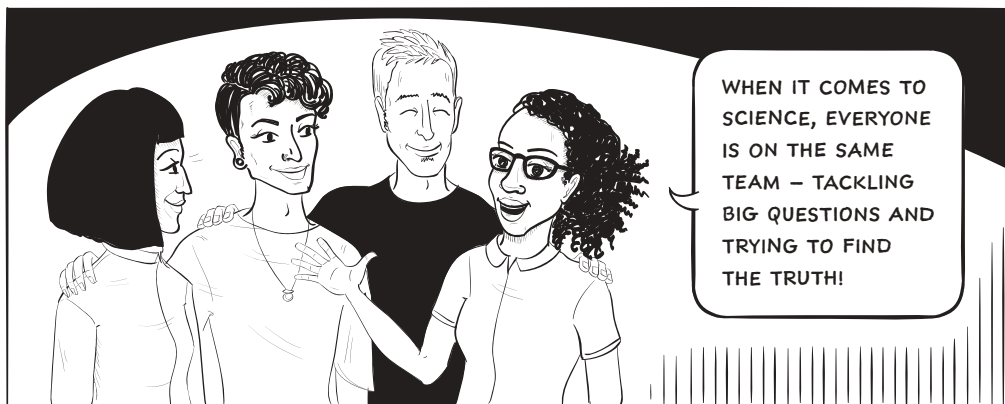
...WE HAVEN'T HAD DEFINITIVE  
PROOF THAT THEY EXIST, UNTIL NOW!

NOW WE HAVE BOTH LIGHT...



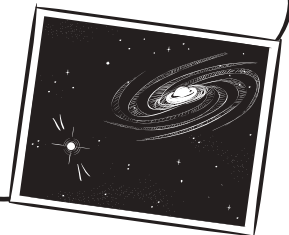
...AND GRAVITATIONAL WAVES  
FROM THE COLLISION!

LATER...





WHAT WILL YOUR NEXT BIG DISCOVERY  
BE? DRAW WHO YOU WANT TO MAKE  
THE DISCOVERY WITH.







IN THIS SERIES OF COMICS ADA  
EXPLORES SCIENCE AND SPACE.  
THESE STORIES PROMOTE THE IDEA  
THAT ANYONE CAN DO SCIENCE,  
ASK QUESTIONS AND WORK  
TOGETHER TO FIND THE ANSWERS.



EDWARD GOMEZ



LAURA SORVALA

LC  
Las Cumbres  
Observatory



  
Llywodraeth Cymru  
Welsh Government

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