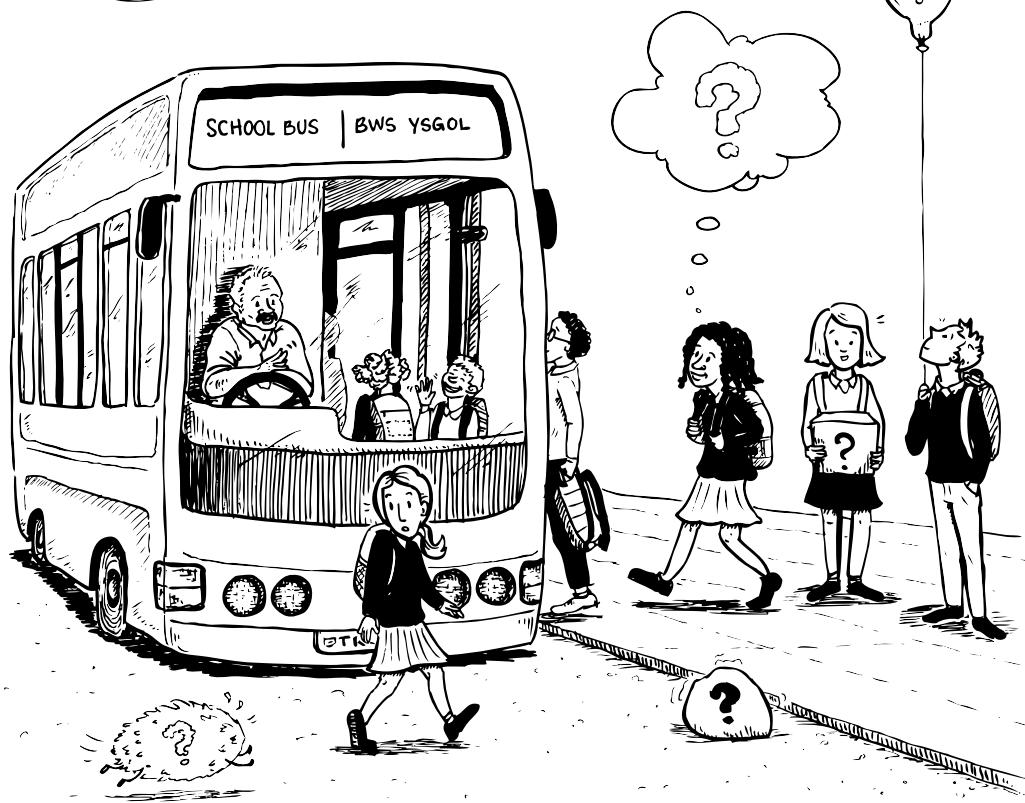
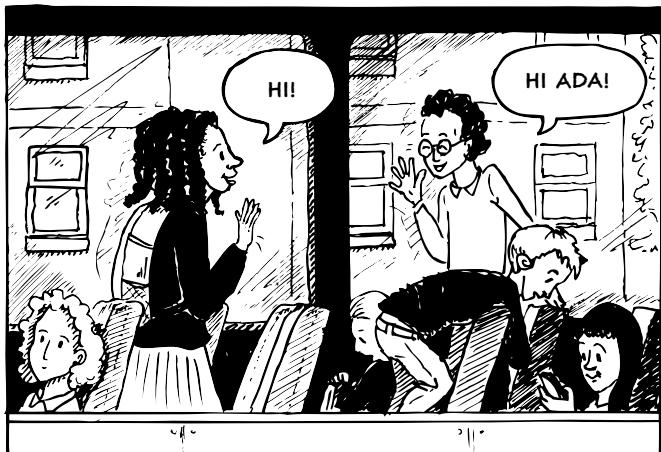


Ada's ADVENTURES IN SCIENCE



THERE IS
NO SUCH THING
AS A
stupid question

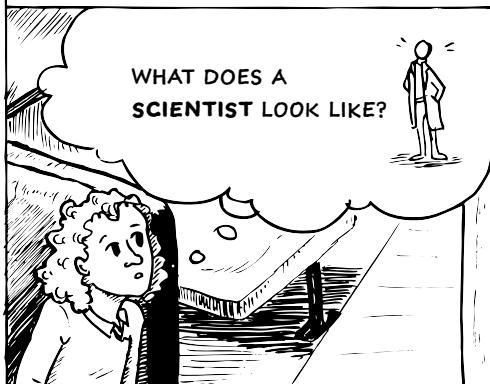




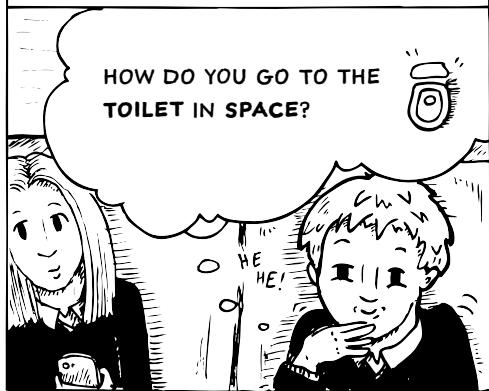
MAYBE YOU HAVE REALLY BIG QUESTIONS...



...AND SIMPLE ONES...



...AND SILLY ONES!



ALL OF THESE
QUESTIONS ARE
IMPORTANT! LET
ME TELL YOU WHY...



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.



My measurements are correct.



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



That's it!



Something we cannot see.

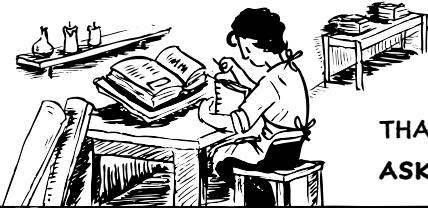
SHE FOUND SOMETHING THAT DIDN'T SHINE ANY LIGHT BUT HAD MASS, HOLDING GALAXIES TOGETHER. NOW WE HAVE A NAME FOR THIS:

DARK MATTER

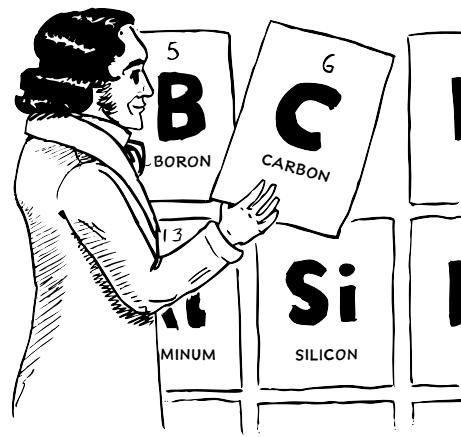
THEN THERE WAS A CURIOUS
BOY WHO DIDN'T GO TO
SCHOOL BECAUSE HIS FAMILY
WERE POOR. HIS NAME WAS
MICHAEL FARADAY.



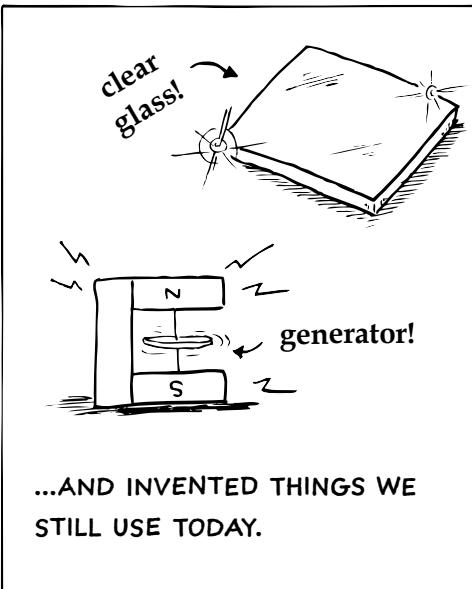
HE GOT AN APPRENTICESHIP
WITH A BOOKBINDER AND
STARTED TO READ ALL
ABOUT SCIENCE.



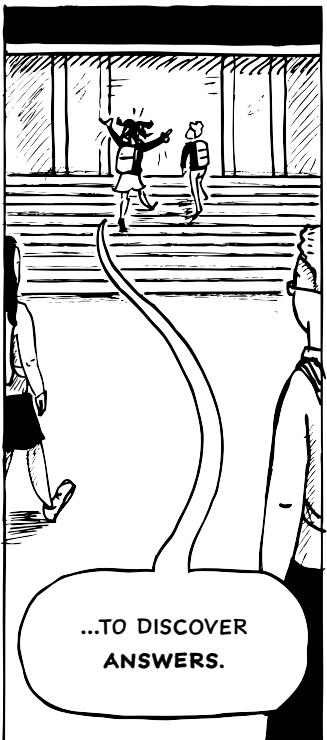
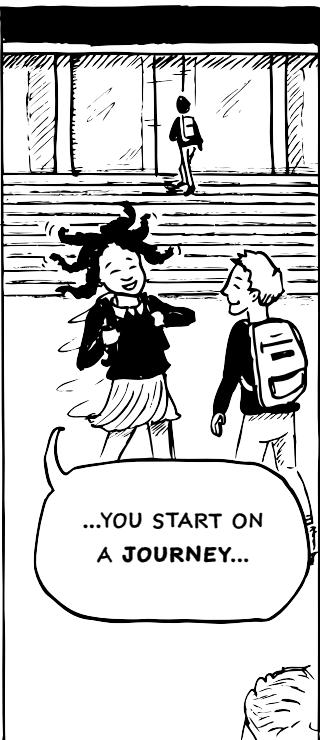
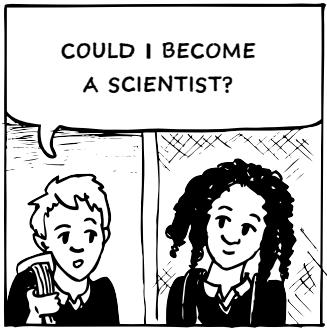
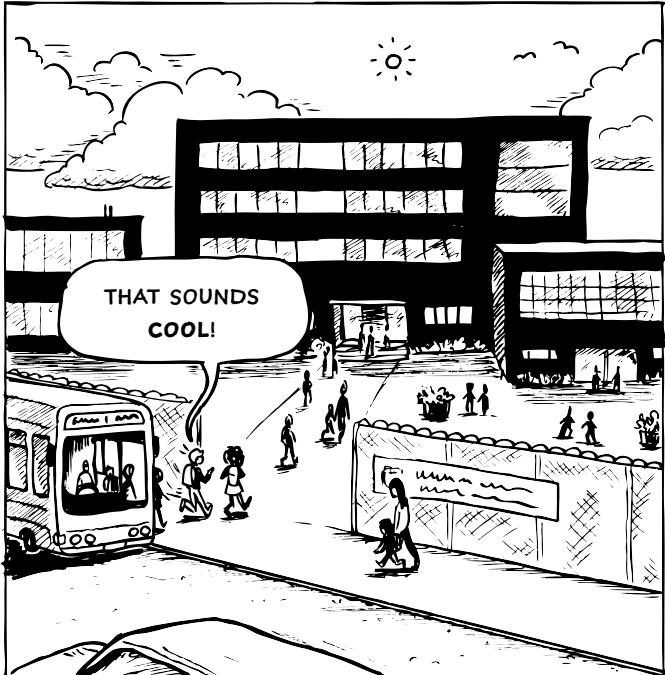
THAT MADE HIM
ASK QUESTIONS.



AND FROM THERE HE
DISCOVERED CHEMICAL
ELEMENTS...



...AND INVENTED THINGS WE
STILL USE TODAY.





ADA LOVELACE



NEIL DEGRASSE
TYSON



MARIE CURIE



JANE GOODALL



WILBUR & ORVILLE
WRIGHT



ALBERT EINSTEIN



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.

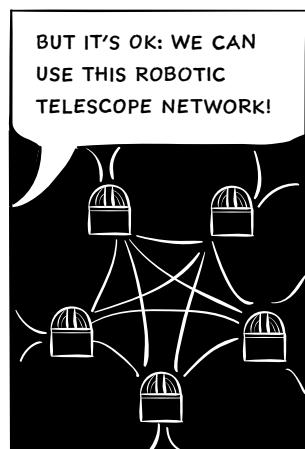
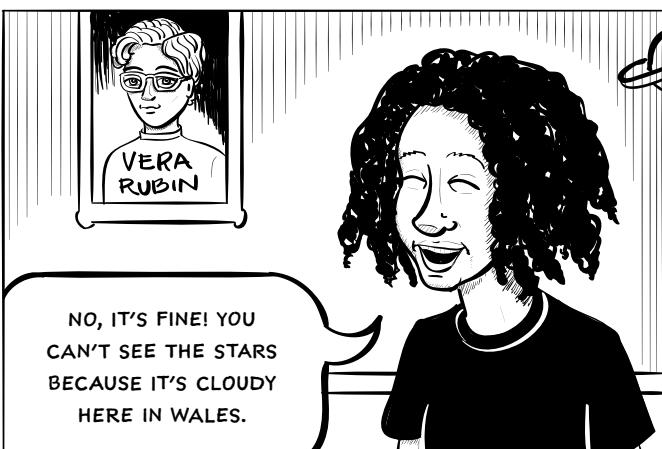
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ROBOTIC TELESCOPES

HOW TO DISCOVER COOL STUFF IN SPACE!







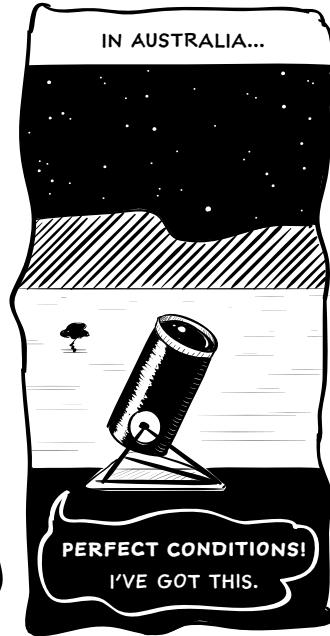
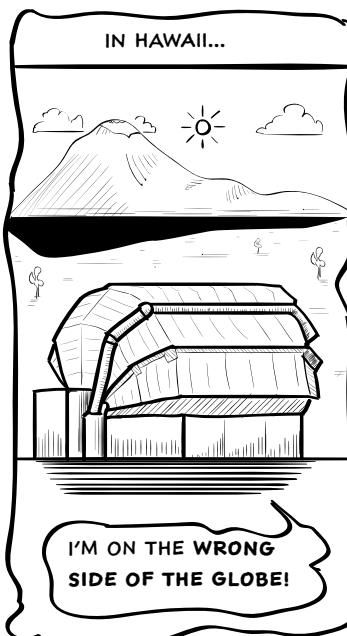
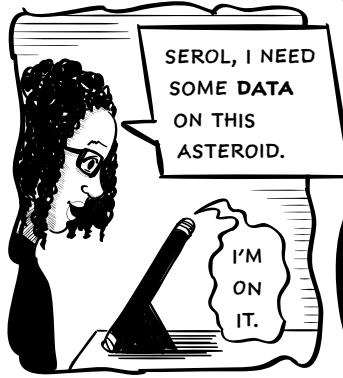
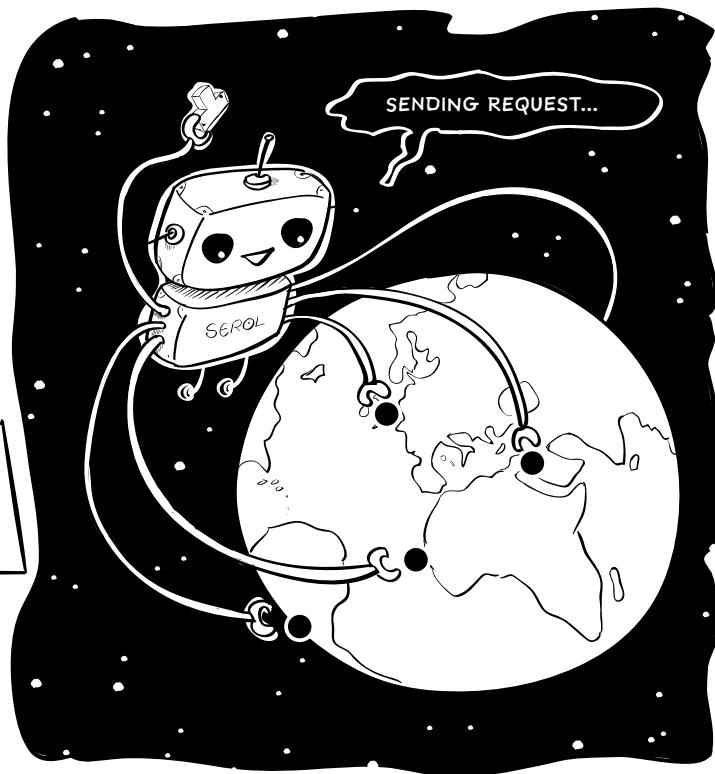
UNITED NATIONS EMERGENCY ROOM...

WE DON'T
KNOW ENOUGH
ABOUT THIS
ASTEROID!

WHAT ARE
WE GOING
TO DO!?

IT'S OK –
WE GOT THIS.

PROFESSOR
ADA AND
THEO!



PROFESSOR, I HAVE THE DATA.

DING!

LET'S ANALYSE
THE PICTURES...

I HAVE THE
RESULTS!

$$\dot{B} = \frac{1}{2} \sqrt{GMI}$$

GOOD NEWS: THE ASTEROID IS NOT
ON A COLLISION COURSE! BUT WE
NEED TO KEEP MONITORING IT.



LATER...

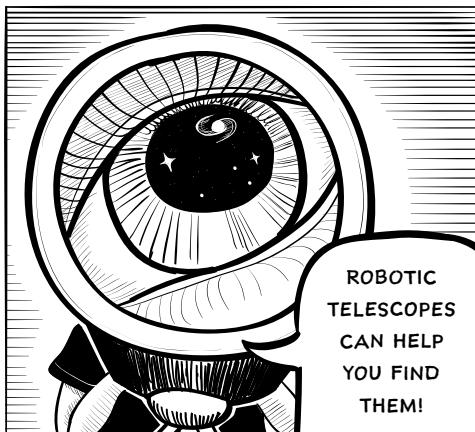
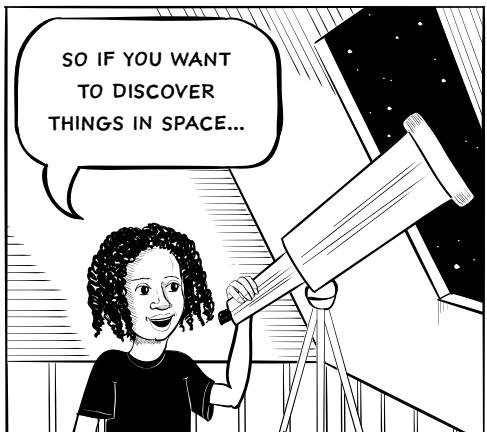


THANK YOU, PROFESSOR
ADA AND THEO!

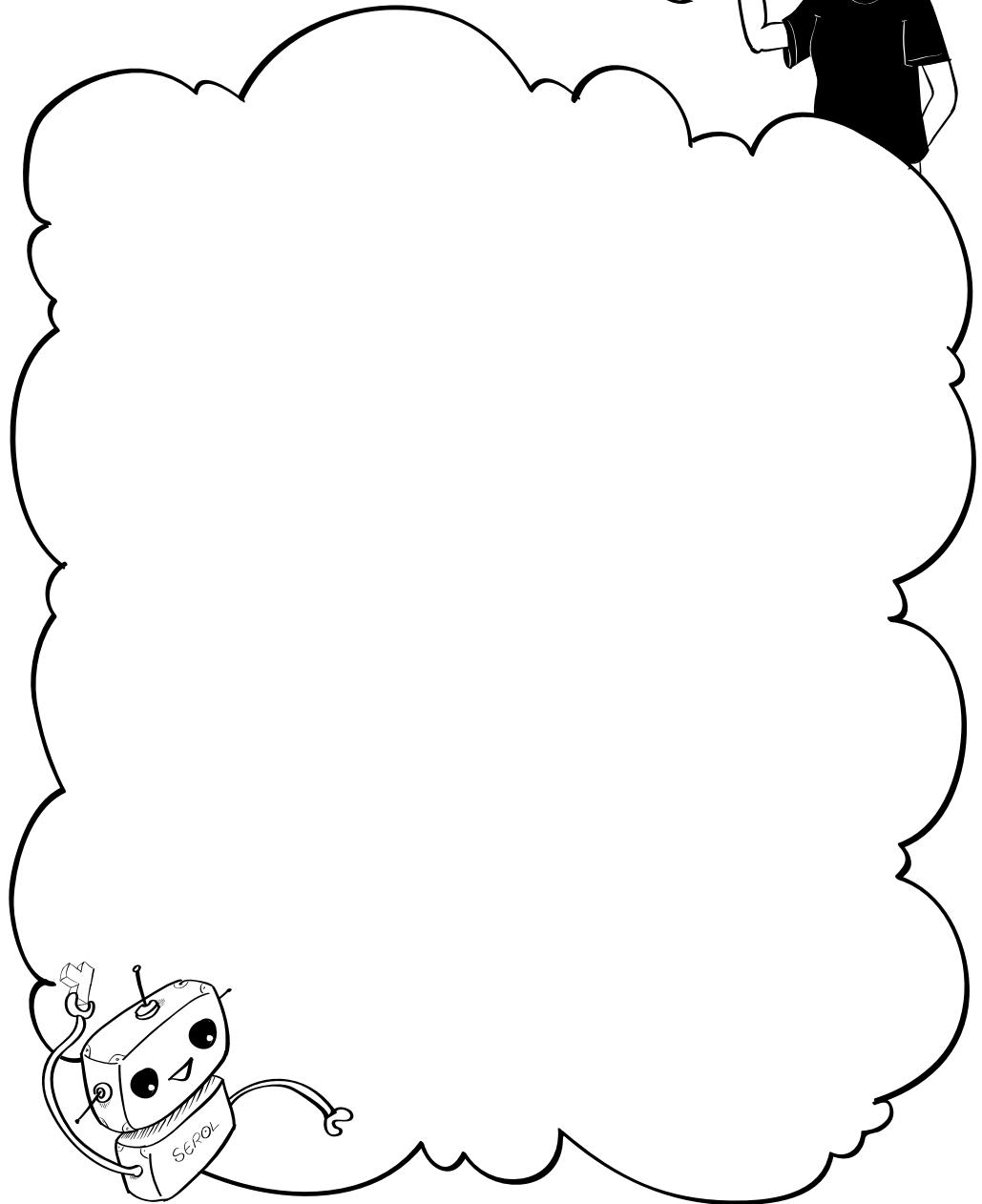




THAT'S SO COOL! CAN ANYONE ASK SEROL FOR PICTURES OF SPACE?



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?

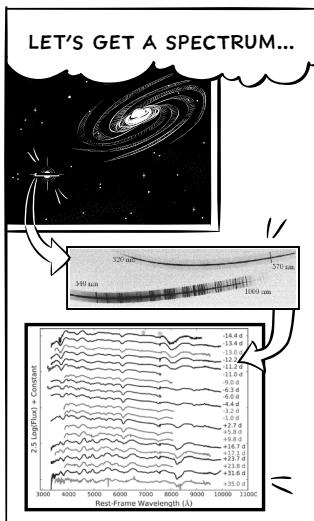
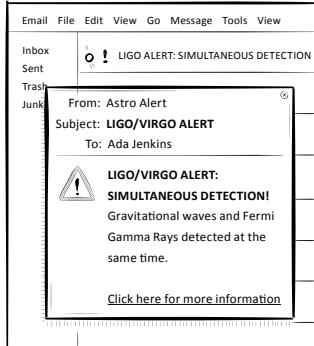


ALEX, MY FRIEND! YOU
KNOW ME SO WELL.



PING!

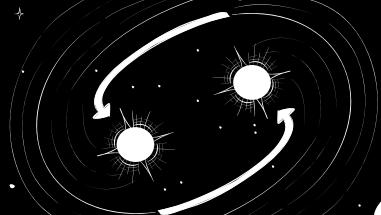








TWO NEUTRON STARS CRASHED TOGETHER...



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

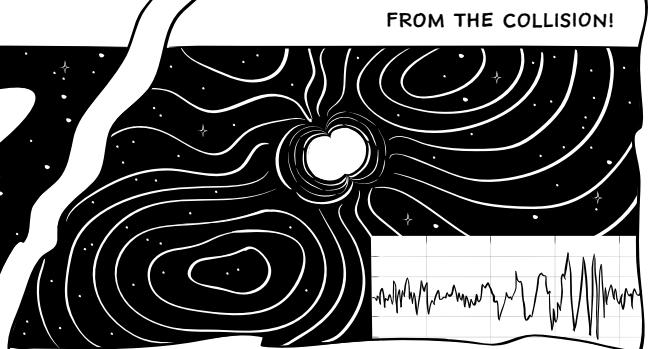
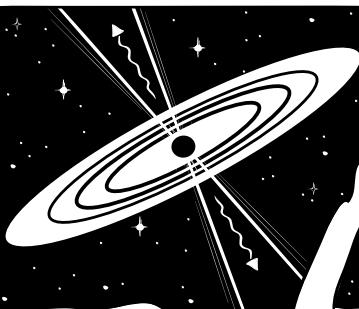
THEY PRODUCED A
KILONOVA...



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

NOW WE HAVE BOTH LIGHT...

...AND GRAVITATIONAL WAVES
FROM THE COLLISION!



LATER...

...THAT'S HOW WE MADE THIS AMAZING DISCOVERY. NOW, MY STUDENT, ADA JENKINS, WOULD LIKE TO SAY A FEW WORDS.



IT WAS INCREDIBLE TO BE PART OF THIS DISCOVERY, WORKING WITH PEOPLE AROUND THE WORLD.



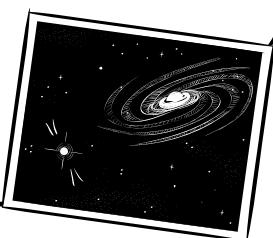
THIS WOULD NOT HAVE BEEN POSSIBLE WITHOUT EVERYONE SHARING IDEAS AND DATA.

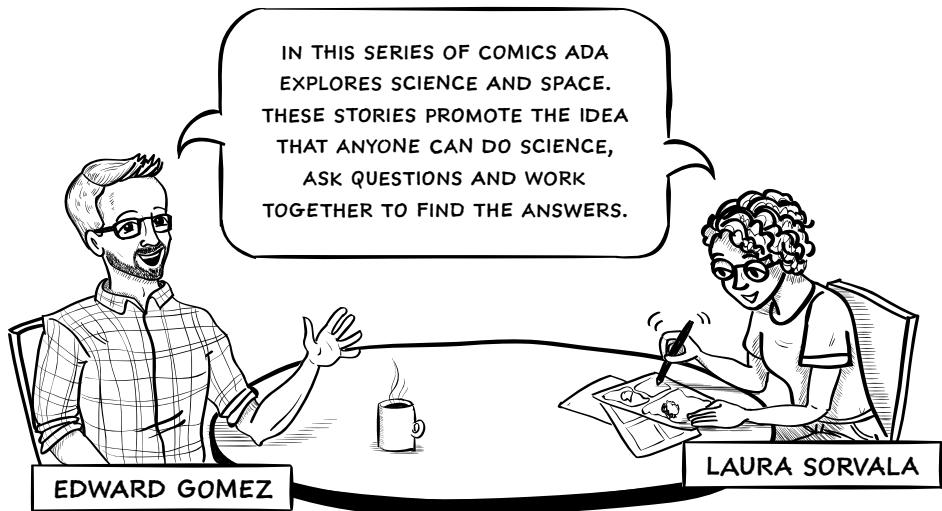


WHEN IT COMES TO SCIENCE, EVERYONE IS ON THE SAME TEAM – TACKLING BIG QUESTIONS AND TRYING TO FIND THE TRUTH!



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





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