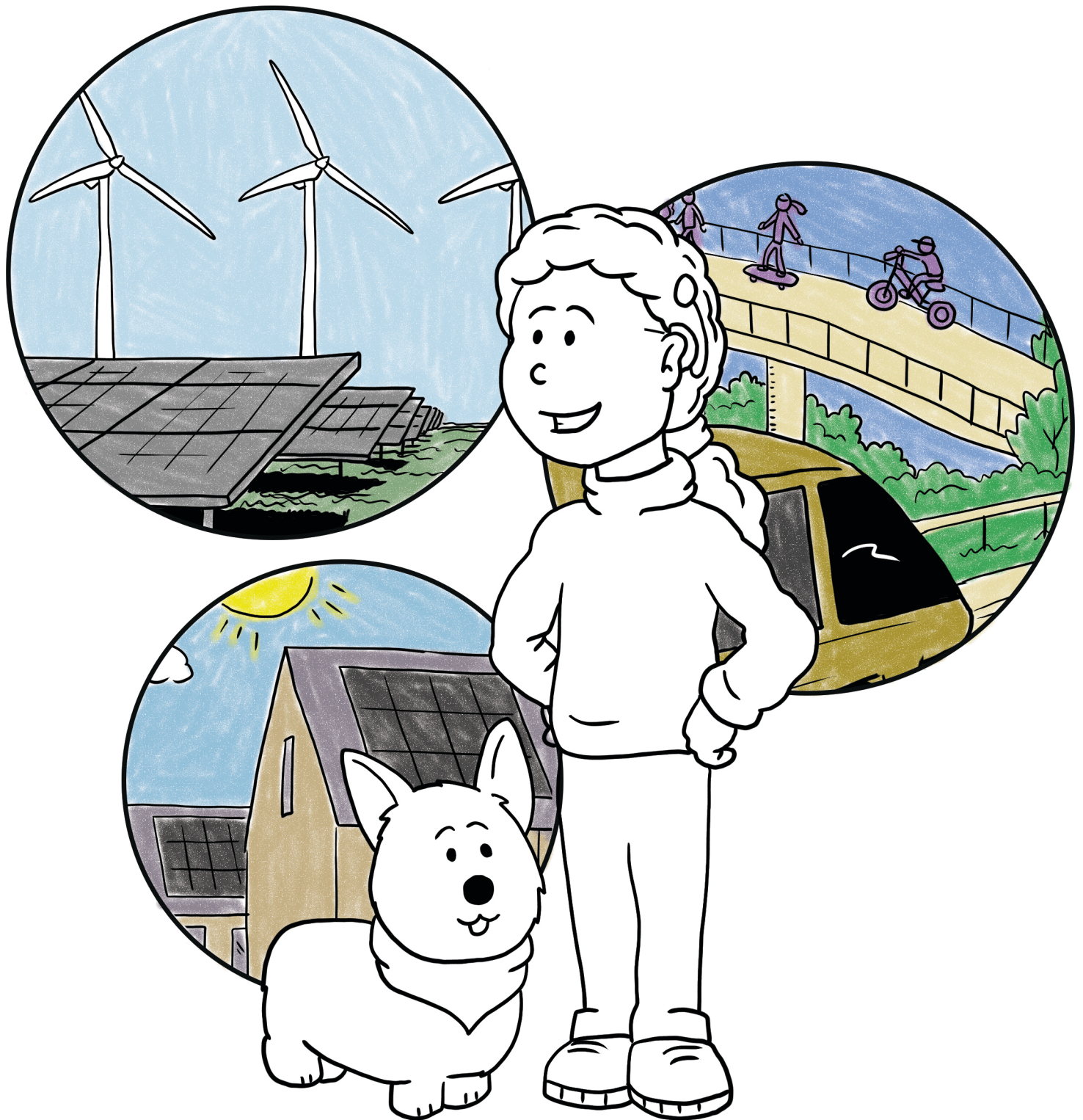


# MIMI AND PEDRO'S ENERGY ADVENTURES



A COLOURING ADVENTURE BY NEXSYS  
ILLUSTRATIONS BY NATHAN T. WRIGHT

MIMI IS GETTING READY TO VISIT HER COUSIN SO THAT SHE CAN FINISH HER SCHOOL PROJECT ON THE FUTURE OF ENERGY.

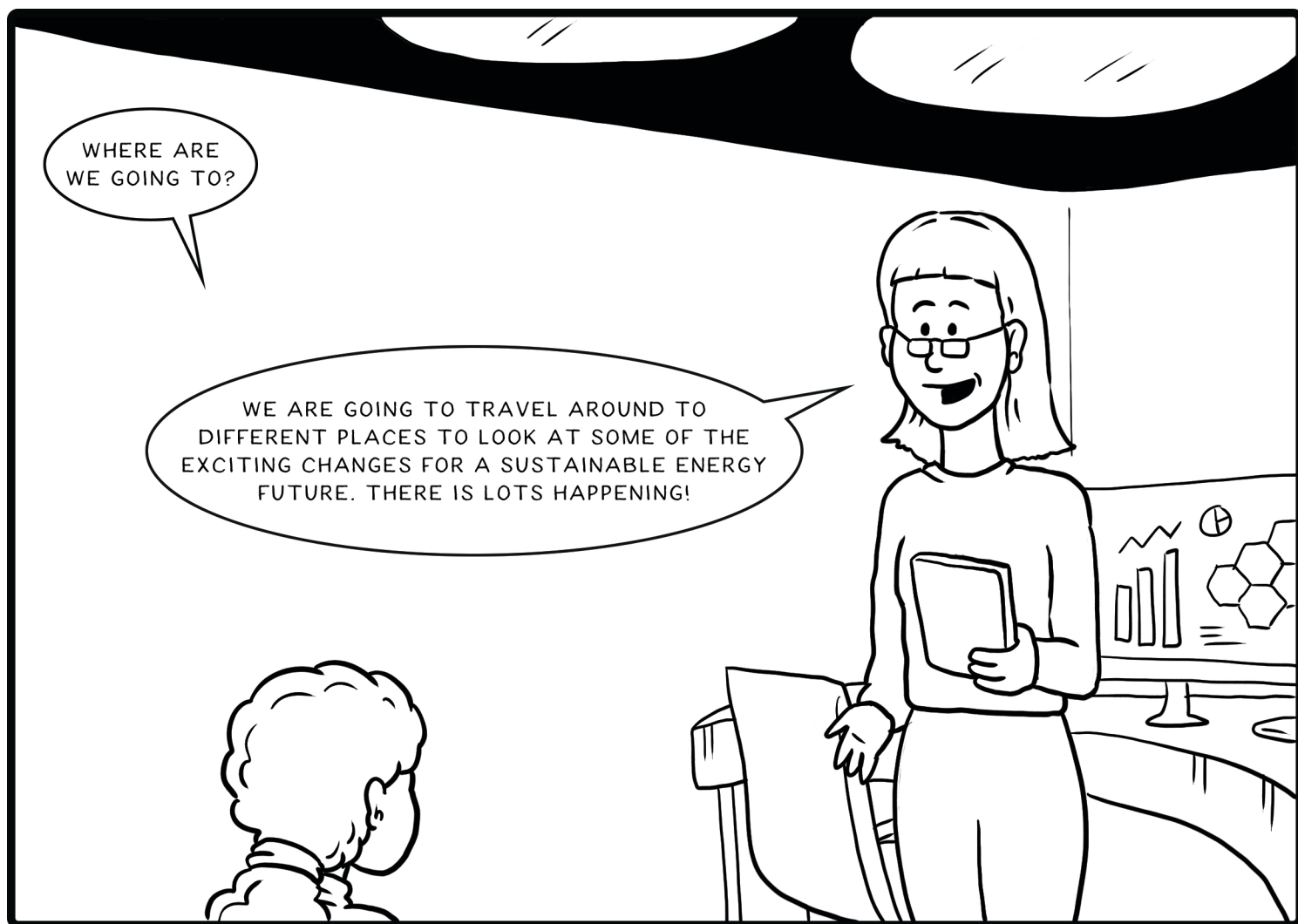
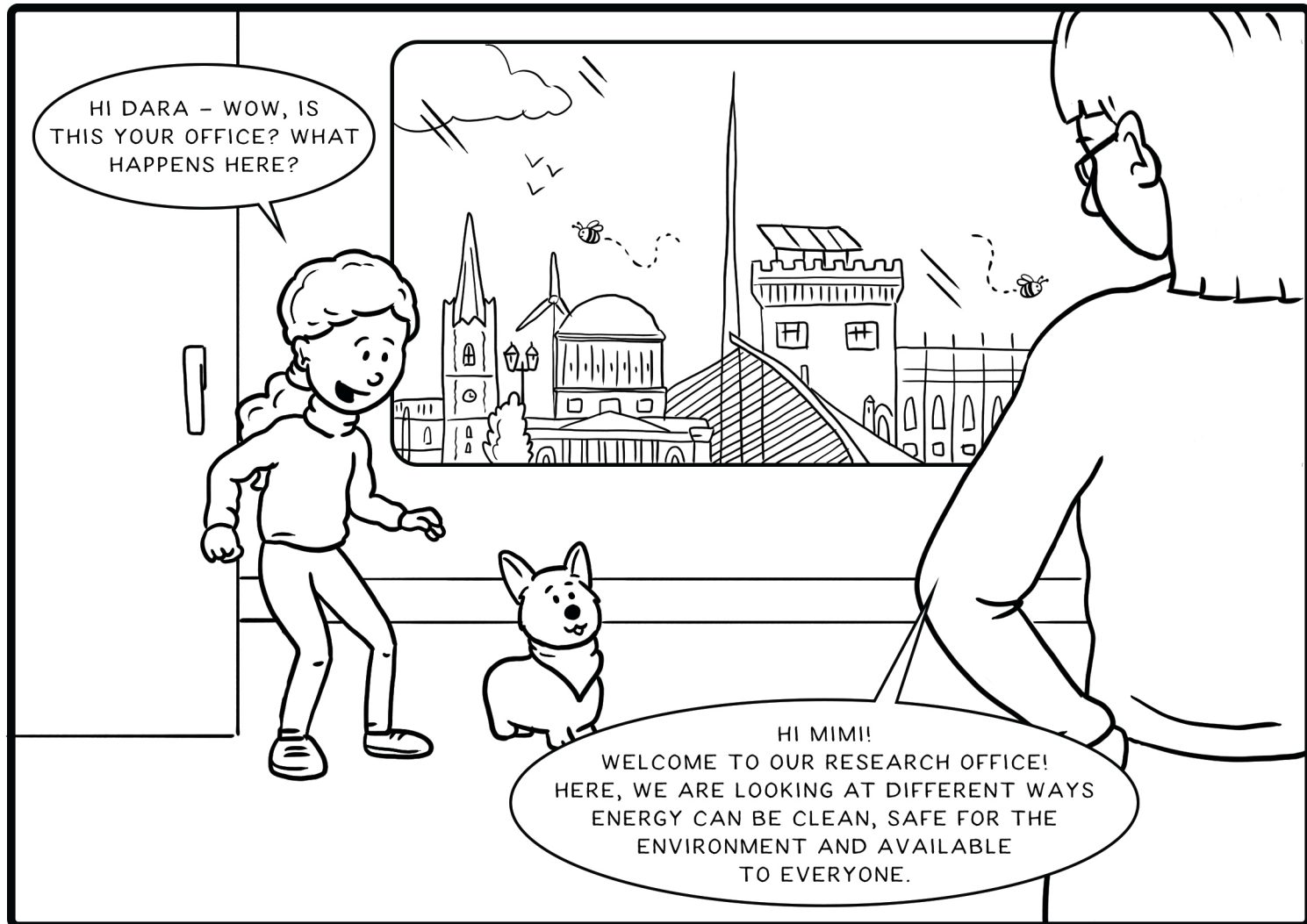
A WHOLE WEEK OF ADVENTURES, PEDRO! ARE YOU EXCITED?

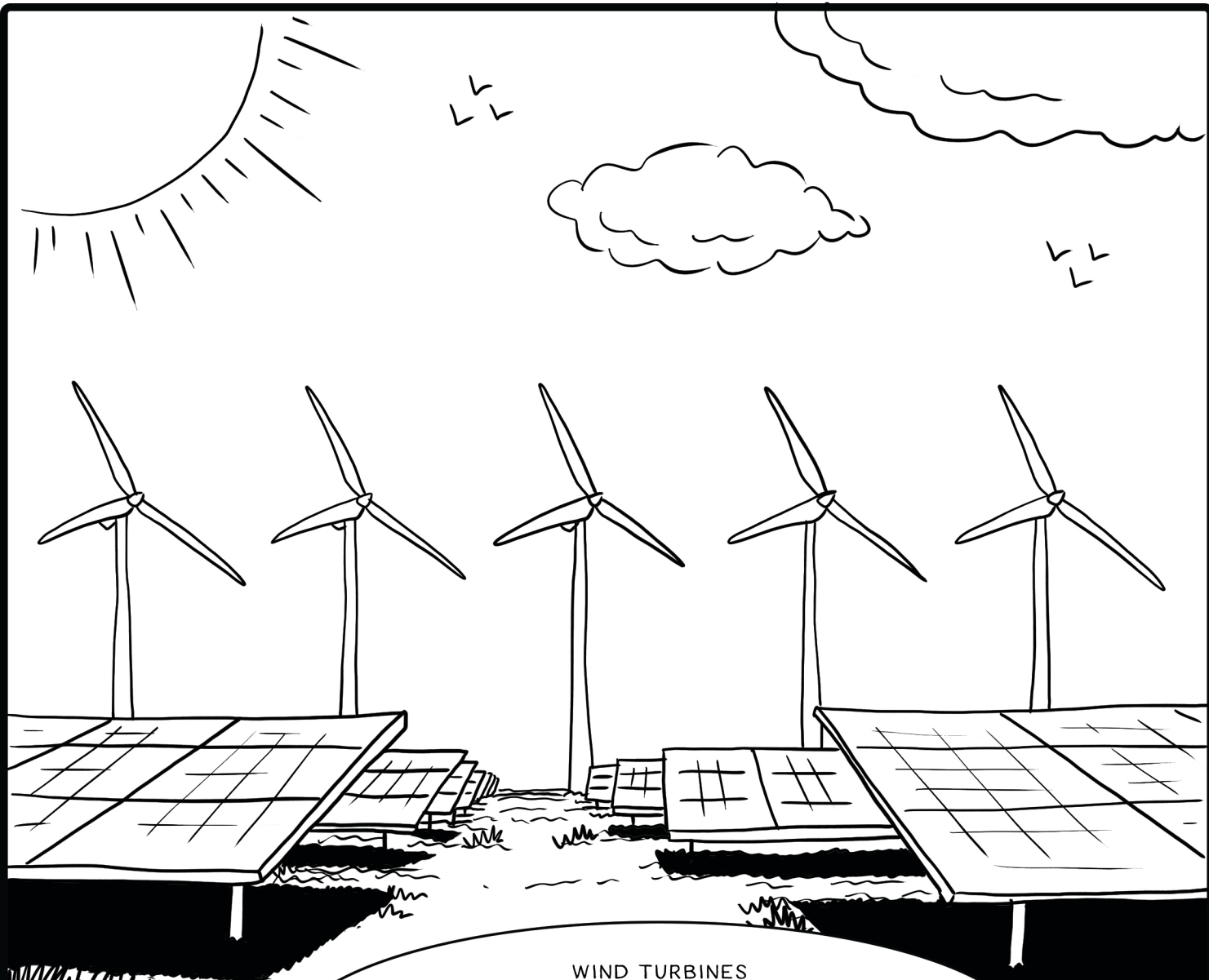


I HAVE SOOOO MANY QUESTIONS. WHERE WILL WE GET OUR ENERGY IN THE FUTURE? WILL OUR HOMES AND SCHOOLS LOOK DIFFERENT? HOW WILL WE TRAVEL AROUND? I HOPE MY COUSIN **DARA** CAN HELP ME FIND OUT.









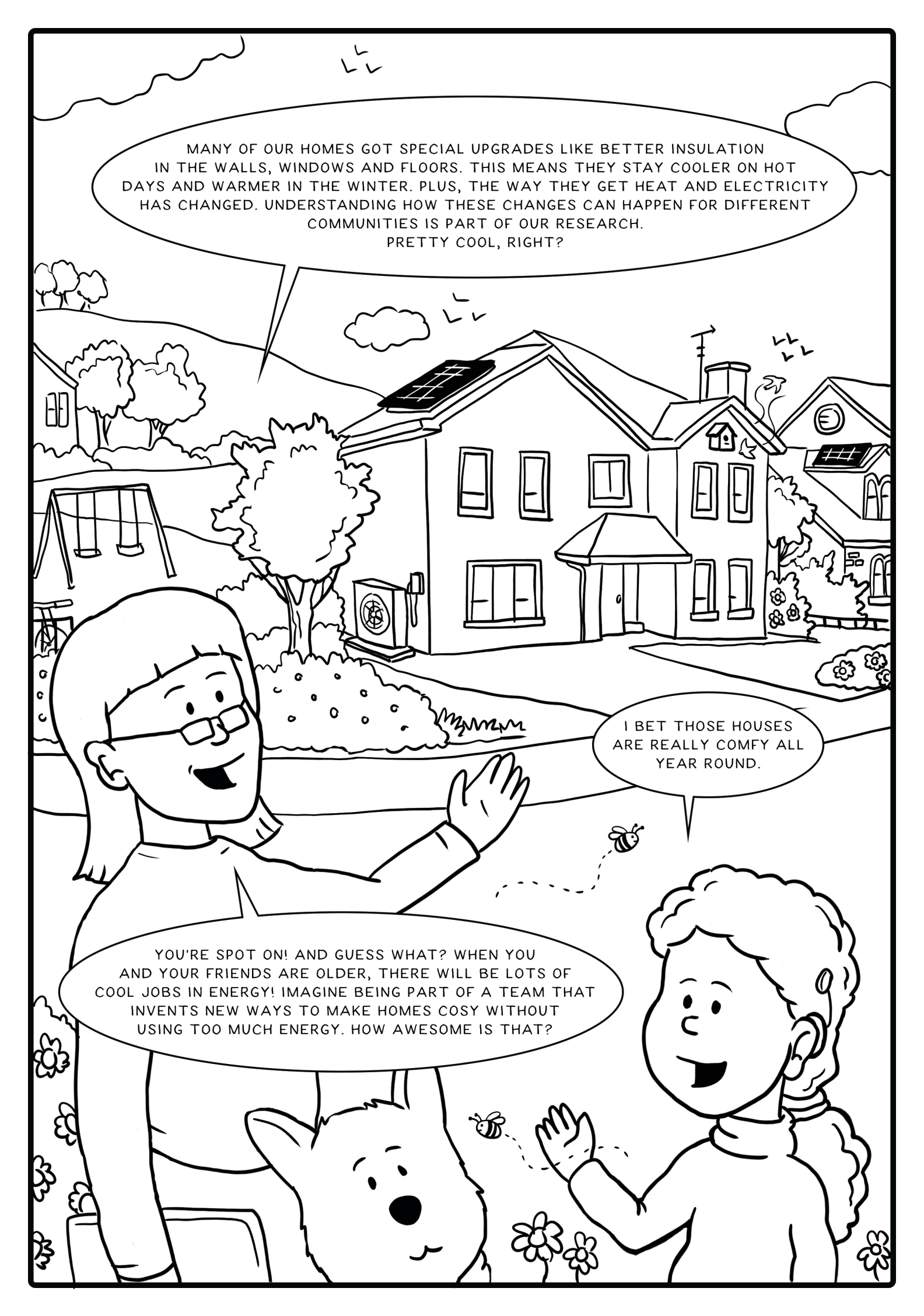
WIND TURBINES  
AND SOLAR PANELS ARE IMPORTANT  
AS THEY USE RENEWABLE SOURCES FROM NATURE - WIND  
AND LIGHT - TO GENERATE ENERGY. WE ARE TRYING TO  
FIGURE OUT THE BEST WAYS TO STORE ENERGY EVEN  
WHEN IT'S NOT SUNNY OR WINDY.

IT'S REALLY WINDY AND SUNNY  
TODAY SO THERE MUST BE LOTS OF  
ENERGY FROM NATURE!

ARF!

51%





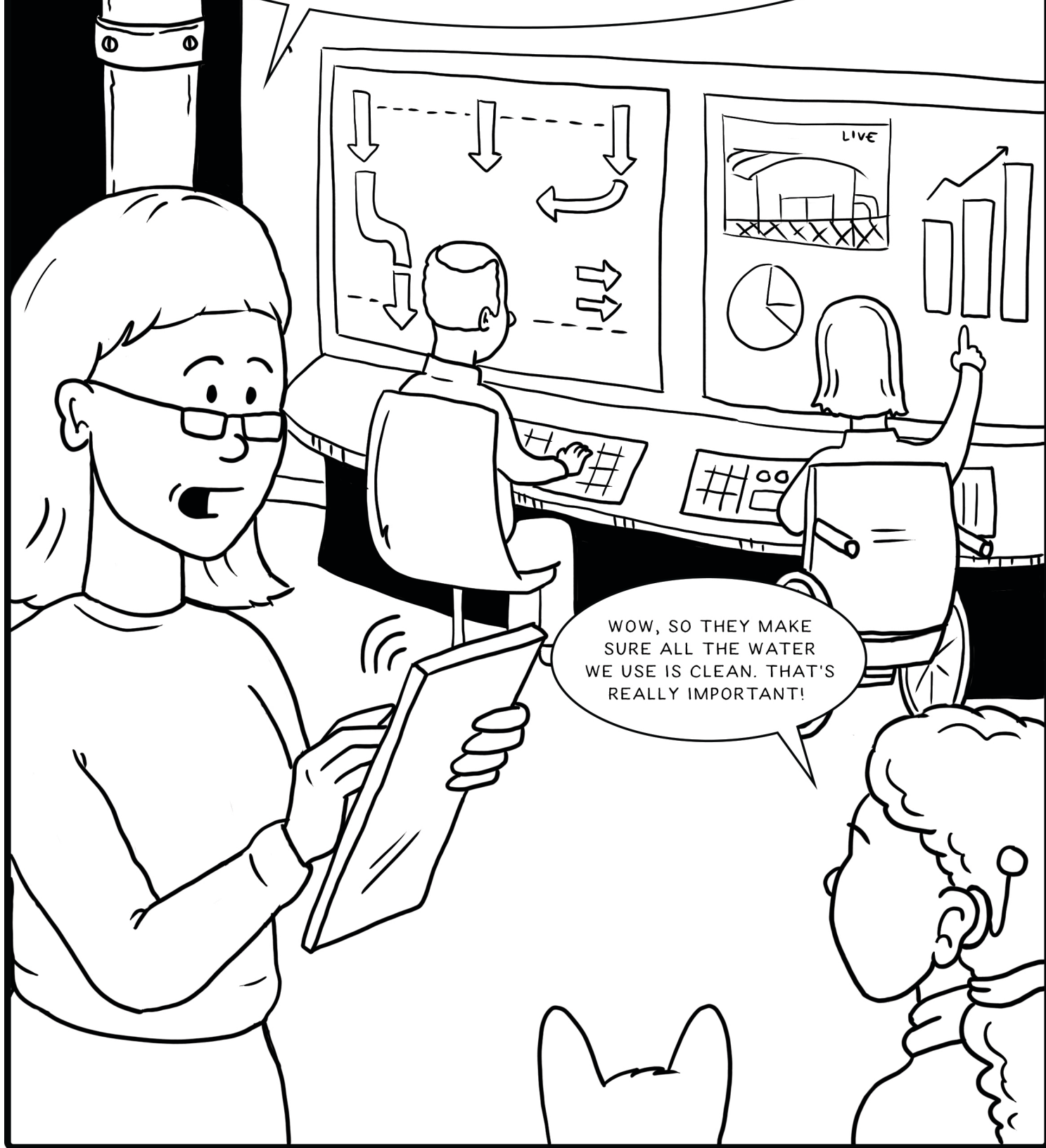
MANY OF OUR HOMES GOT SPECIAL UPGRADES LIKE BETTER INSULATION IN THE WALLS, WINDOWS AND FLOORS. THIS MEANS THEY STAY COOLER ON HOT DAYS AND WARMER IN THE WINTER. PLUS, THE WAY THEY GET HEAT AND ELECTRICITY HAS CHANGED. UNDERSTANDING HOW THESE CHANGES CAN HAPPEN FOR DIFFERENT COMMUNITIES IS PART OF OUR RESEARCH. PRETTY COOL, RIGHT?

I BET THOSE HOUSES ARE REALLY COMFY ALL YEAR ROUND.

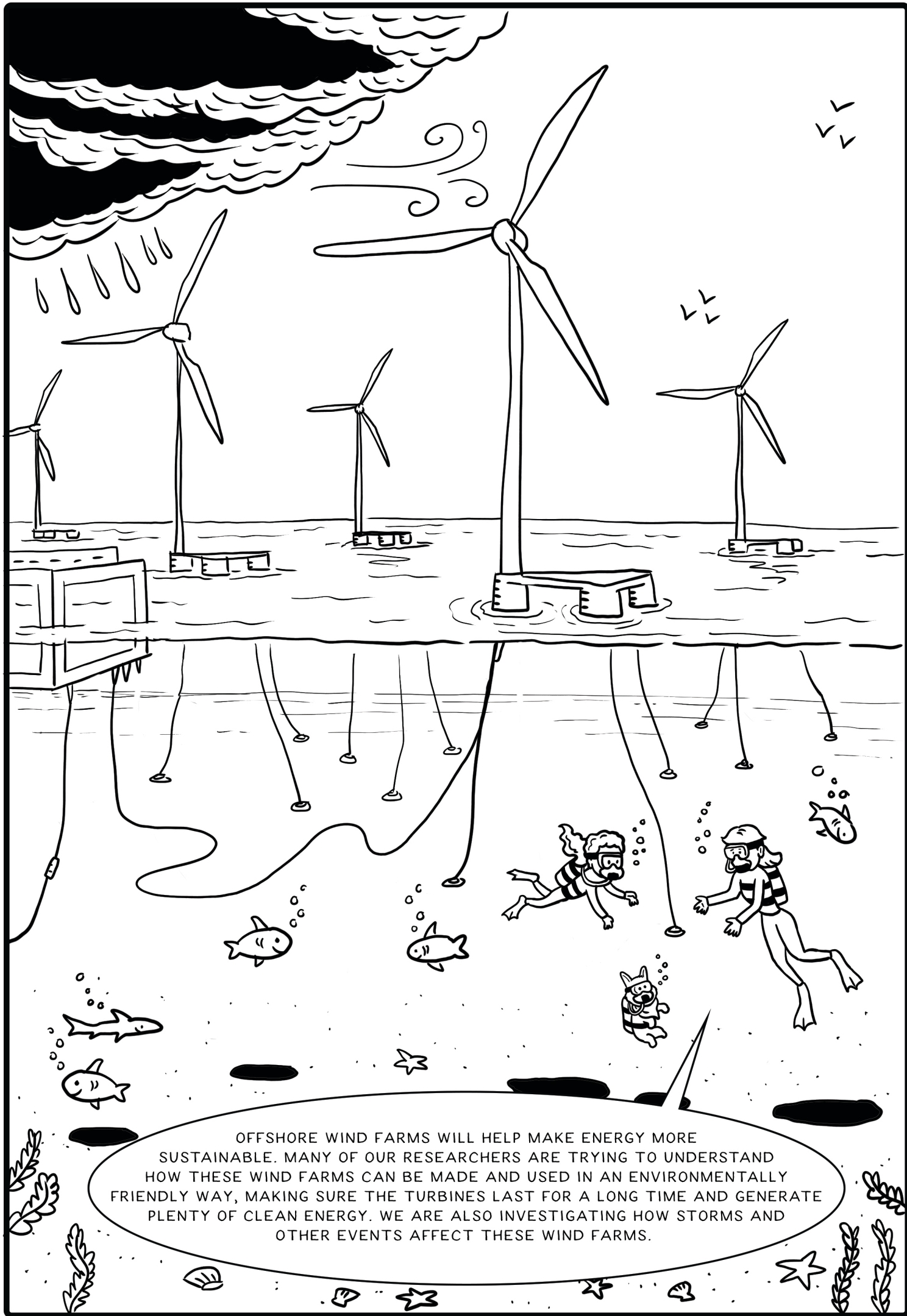
YOU'RE SPOT ON! AND GUESS WHAT? WHEN YOU AND YOUR FRIENDS ARE OLDER, THERE WILL BE LOTS OF COOL JOBS IN ENERGY! IMAGINE BEING PART OF A TEAM THAT INVENTS NEW WAYS TO MAKE HOMES COSY WITHOUT USING TOO MUCH ENERGY. HOW AWESOME IS THAT?

INSIDE A LOCAL WATER PLANT...

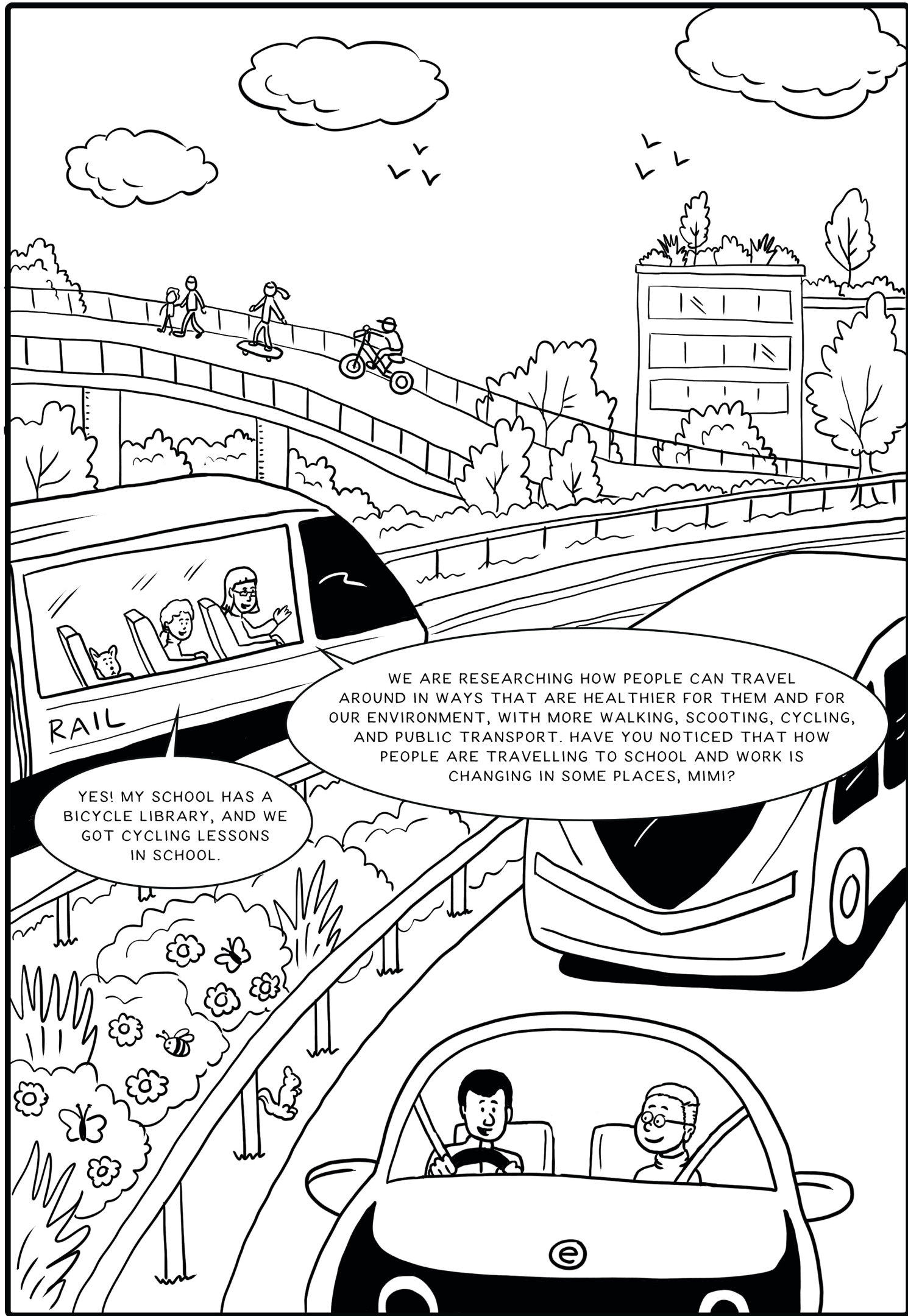
WATER IS REALLY IMPORTANT, AND WE NEED TO BE CAREFUL HOW WE USE IT. HERE THEY ARE RESEARCHING HOW TO TREAT WASTEWATER FROM OUR HOMES AND BUSINESSES SO THAT IT CAN BE USED AGAIN. MAKING WATER SAFE TO USE TAKES LOTS OF ENERGY! SOME OF OUR RESEARCH ALSO INVOLVES WORKING TOGETHER WITH COMMUNITIES AND THE GOVERNMENT TO SEE HOW TO USE WATER BETTER AT HOME, SCHOOL AND WORK.







OFFSHORE WIND FARMS WILL HELP MAKE ENERGY MORE SUSTAINABLE. MANY OF OUR RESEARCHERS ARE TRYING TO UNDERSTAND HOW THESE WIND FARMS CAN BE MADE AND USED IN AN ENVIRONMENTALLY FRIENDLY WAY, MAKING SURE THE TURBINES LAST FOR A LONG TIME AND GENERATE PLENTY OF CLEAN ENERGY. WE ARE ALSO INVESTIGATING HOW STORMS AND OTHER EVENTS AFFECT THESE WIND FARMS.



WE ARE RESEARCHING HOW PEOPLE CAN TRAVEL AROUND IN WAYS THAT ARE HEALTHIER FOR THEM AND FOR OUR ENVIRONMENT, WITH MORE WALKING, SCOOTING, CYCLING, AND PUBLIC TRANSPORT. HAVE YOU NOTICED THAT HOW PEOPLE ARE TRAVELLING TO SCHOOL AND WORK IS CHANGING IN SOME PLACES, MIMI?

YES! MY SCHOOL HAS A BICYCLE LIBRARY, AND WE GOT CYCLING LESSONS IN SCHOOL.

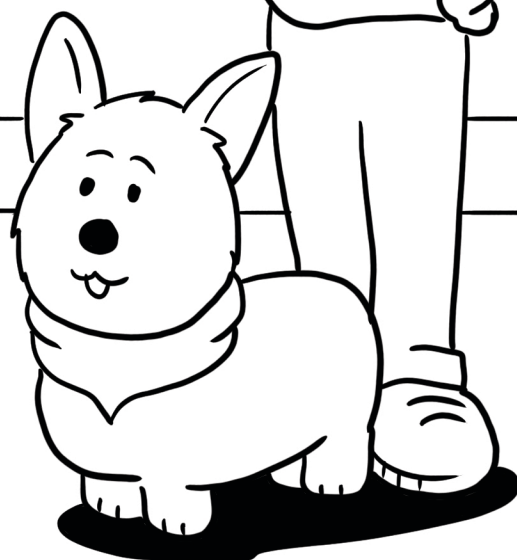
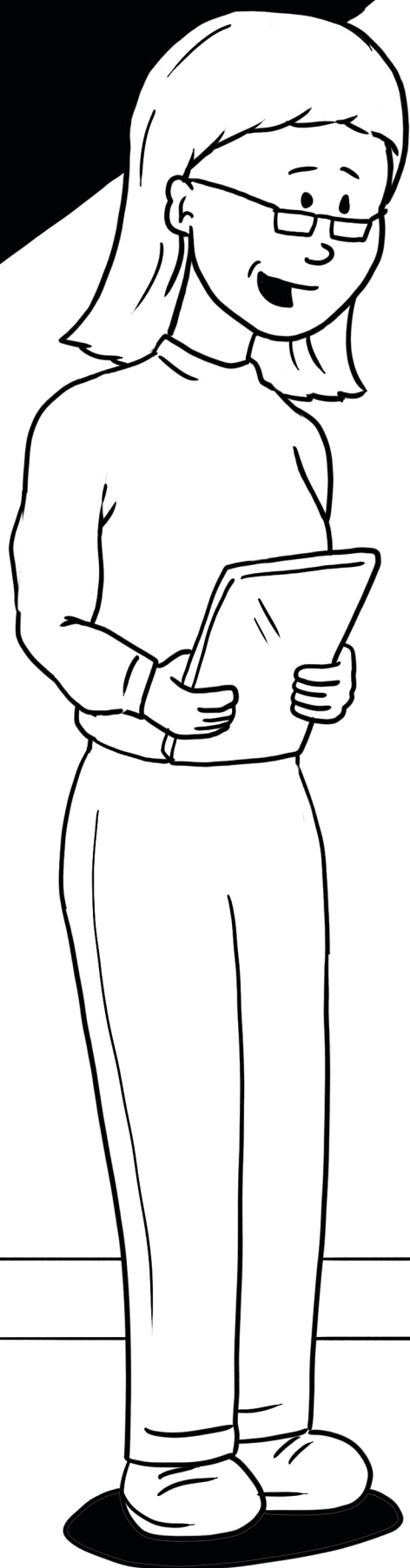


BACK IN DARA'S OFFICE...

SOME OF THE THINGS WE SAW THIS WEEK ARE WHAT WE CALL PARTS OF THE ENERGY TRANSITION. DID YOU LEARN SOME NEW THINGS FOR YOUR PROJECT ON OUR TRIP?

YES! I HAD LOTS OF FUN AND I'VE GOT LOTS FOR MY PROJECT. THANKS DARA!

ARF!



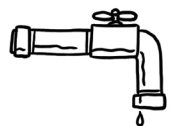
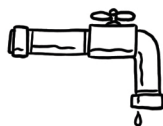
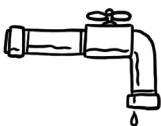
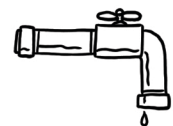
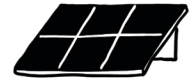
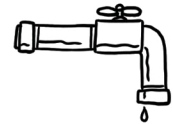
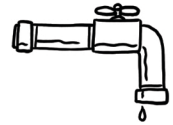
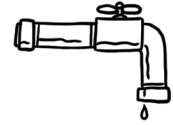
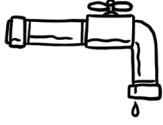
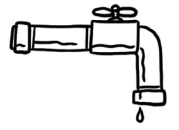
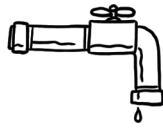
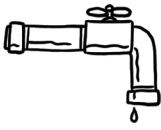
MIMI WAKES UP AFTER A WEEK OF ADVENTURES...

I'VE LEARNED SO MUCH,  
AND I CAN'T WAIT TO SHARE  
IT WITH ALL MY FRIENDS  
AND TEACHERS!

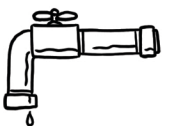
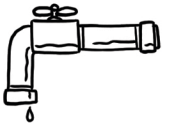
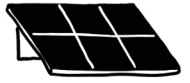
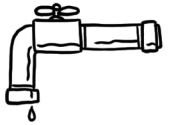
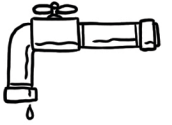
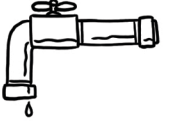
ARF!

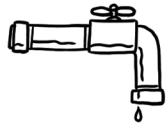
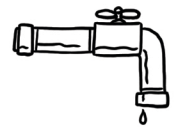
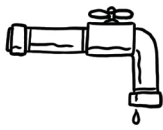
BYE PEDRO!  
I'M OFF TO SCHOOL NOW WITH  
MY FUTURE OF ENERGY PROJECT.  
WISH ME LUCK!



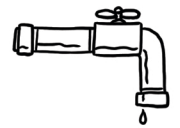
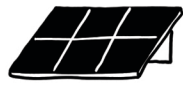
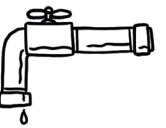
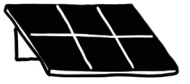
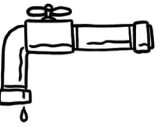
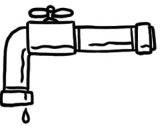
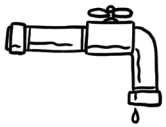
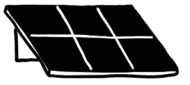
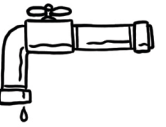
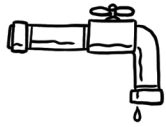
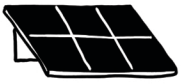
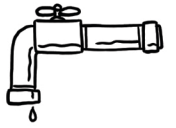


WRITE OUT WHAT YOU  
LEARNED FROM **MIMI** AND **PEDRO'S**  
ADVENTURES

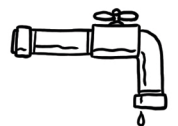
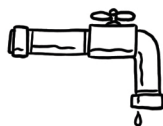
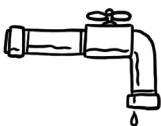
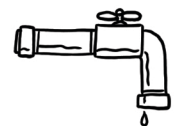
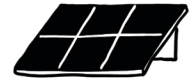
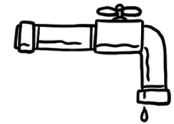
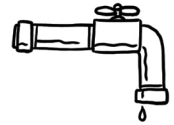
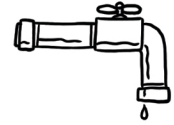
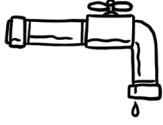
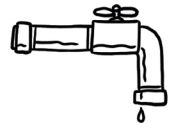
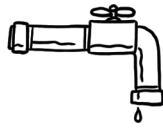
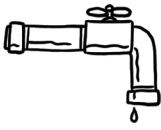




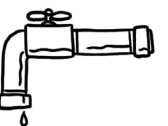
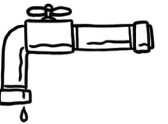
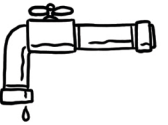
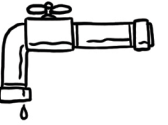
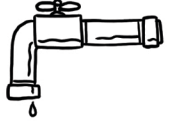
DRAW WHAT YOU THINK A  
**SUSTAINABLE ENERGY FUTURE**  
LOOKS LIKE







IF YOU AND YOUR FRIENDS COULD  
HAVE JOBS RELATED TO ENERGY  
IN THE FUTURE, WHAT WOULD YOU  
LIKE TO DO?



# THANKS FOR USING OUR NEXSYS COLOURING BOOK

HI! THANKS FOR TRYING OUT OUR COLOURING BOOK. WE HOPE THAT YOU HAD FUN AND LEARNED SOMETHING NEW ABOUT THE ENERGY TRANSITION.

WE ARE MEMBERS OF THE NEXSYS TEAM. WE WORK IN LOTS OF DIFFERENT JOBS IN UNIVERSITIES THAT RESEARCH AND COMMUNICATE DIFFERENT THINGS ABOUT ENERGY. FROM OUR HOMES, TO OUR SCHOOLS, TRANSPORT SYSTEMS, AND THE PLACES WE WORK, THERE ARE LOTS OF AREAS TO RESEARCH AND LOTS THAT WE CAN DO WITH THAT RESEARCH.

YOU – AND EVERYONE YOU KNOW – ARE ‘ENERGY CITIZENS’ BECAUSE WE ALL NEED AND USE SOME ENERGY. MIMI AND PEDRO’S STORY SHOWS SOME OF THE TOPICS WE RESEARCH AND HOW THIS RESEARCH MIGHT HELP SHAPE THE ENERGY TRANSITION IN IRELAND AND IN OTHER COUNTRIES.

IF THIS HAS INSPIRED YOU TO THINK ABOUT A NEW HOBBY OR INTEREST, OR PERHAPS A JOB YOU MIGHT HAVE IN THE FUTURE, THAT IS REALLY GOOD NEWS. OUR ENERGY TRANSITION NEEDS LOTS OF PEOPLE WITH DIFFERENT WAYS OF THINKING ABOUT THE WORLD.

– THE NEXSYS TEAM

THANK YOU TO EVERYONE INVOLVED IN THIS BOOK FOR YOUR TIME, IDEAS, AND VALUED CONTRIBUTIONS, WHICH HAVE SIGNIFICANTLY SHAPED THIS PROJECT.

THIS COLOURING BOOK WAS FUNDED BY RESEARCH IRELAND AS PART OF THE NEXT GENERATION ENERGY SYSTEMS (NEXSYS) STRATEGIC PARTNERSHIP PROGRAMME. TO FIND OUT MORE ABOUT NEXSYS, VISIT [WWW.NEXSYS-ENERGY.IE](http://WWW.NEXSYS-ENERGY.IE)

