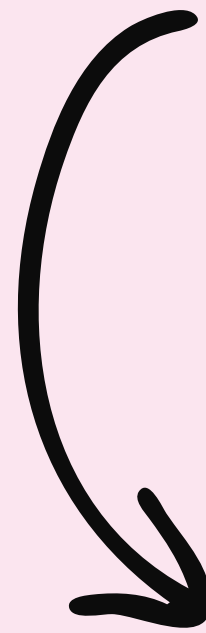


PART 1

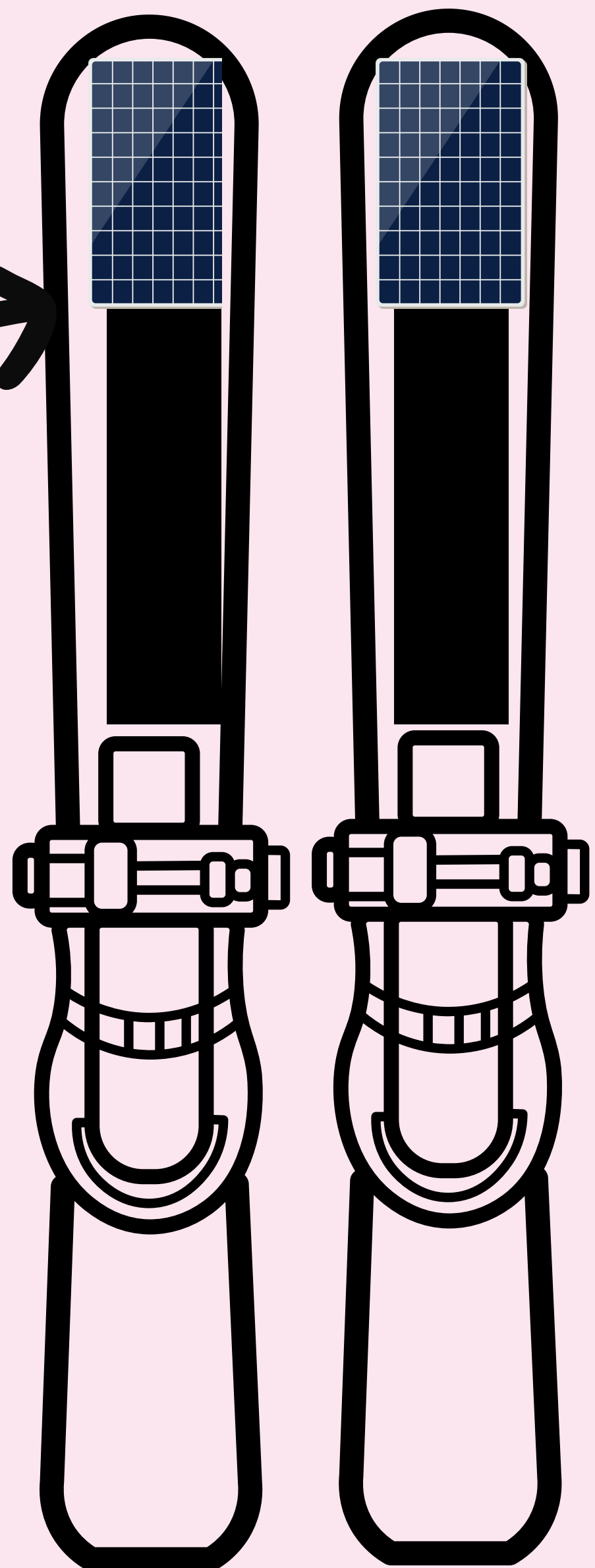
SOLAR PANELS



THE FULLY
CHARGED
BATTERY WILL
SLIDE OUT AND
THEN YOU WILL
PLUG IT IN



BATTERY (IT IS
INSIDE)



SNOWY HYDRO POWER UP

WHAT IS MY IDEA?

MY IDEA IS TO DESIGN SNOWBOARDS AND SKIS WITH SOLAR PANELS BUILT IN. WHILE YOU RIDE, THE PANELS COLLECT ENERGY FROM THE SUN. AT THE END OF THE DAY, YOU SLIDE OUT THE RECHARGEABLE BATTERY STORED INSIDE THE BOARD, PLUG IT INTO A CHARGER, AND USE THE CLEAN ENERGY TO POWER LIGHTS, HEATING, WATER PUMPS AND MORE.

WHAT ARE THE BENEFITS?

WE ALL KNOW ABOUT CLIMATE CHANGE. MOST ELECTRICITY STILL COMES FROM FOSSIL FUELS LIKE COAL AND GAS, WHICH RELEASE GREENHOUSE GASES THAT HARM OUR PLANET. BY CREATING SPORTS EQUIPMENT THAT GENERATES RENEWABLE SOLAR POWER, WE CAN REDUCE POLLUTION AND SUPPORT A CLEANER FUTURE. EVERY BIT OF ENERGY PRODUCED FROM THE SUN HELPS LESSEN THE DEMAND FOR FOSSIL FUELS.

WHATS MY PROBLEM?

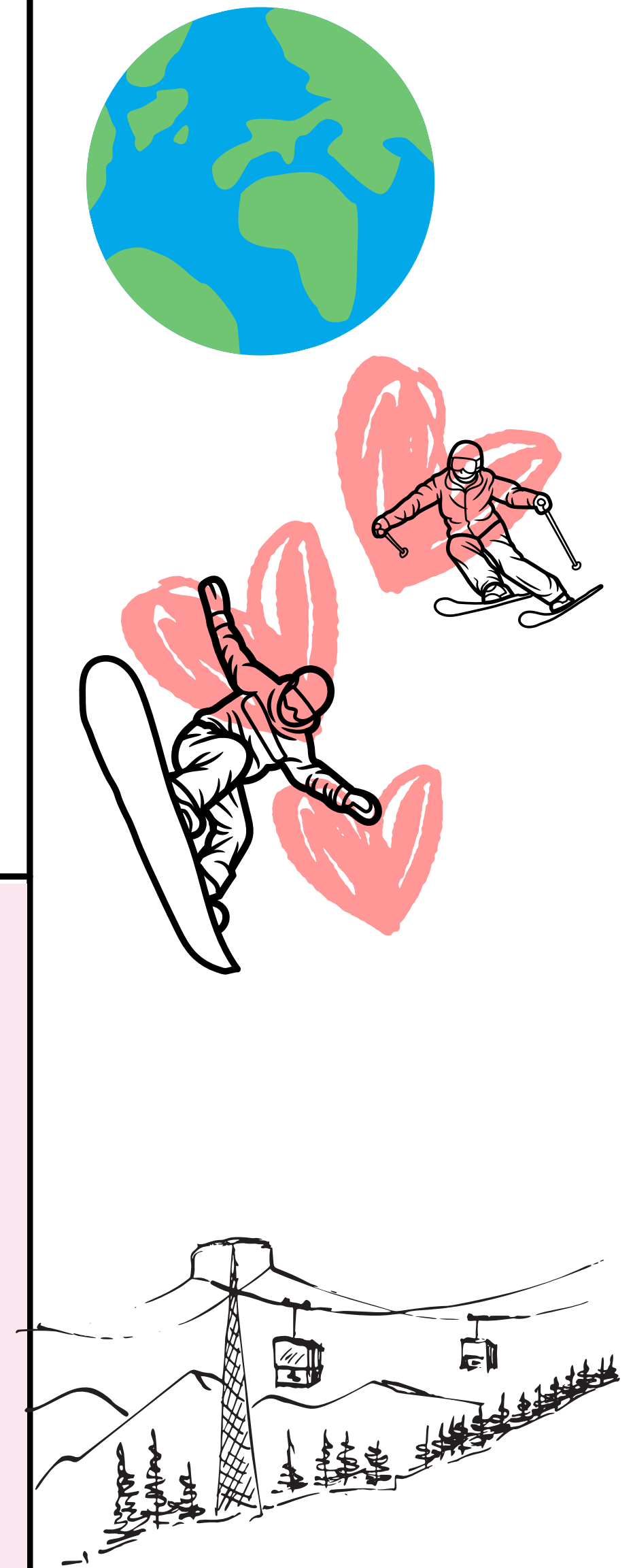
SKI RESORTS, LIKE MY LOCAL ONE AT PERISHER, USE HUGE AMOUNTS OF ELECTRICITY EVERY DAY – FAR MORE THAN A SMALL AUSTRALIAN TOWN. SNOW GUNS, SKI LIFTS AND LODGES ALL NEED ENORMOUS POWER, SOMETIMES MILLIONS OF KILOWATT-HOURS A DAY. THIS LEVEL OF ENERGY USE ISN'T SUSTAINABLE.

MY SOLUTION IS SMALL BUT POWERFUL. IF BOARDS AND SKIS COLLECT SOLAR ENERGY, SKIERS AND SNOWBOARDERS CAN HELP CREATE EXTRA RENEWABLE POWER TO REDUCE THE LOAD ON RESORTS AND SUPPORT LOCAL COMMUNITIES.



HOW DOES IT WORK?

AT THE TIP OF THE SKIS OR SNOWBOARD ARE MINI SOLAR PANELS THAT SOAK UP THE SUN WHILE YOU'RE RIDING. INSIDE THE BOARD IS A REMOVABLE BATTERY. AFTER YOUR DAY ON THE MOUNTAIN, YOU SIMPLY SLIDE THE BATTERY OUT AND CONNECT IT. BOOM! YOU'VE GOT CLEAN ENERGY READY TO USE WHEN YOU NEED IT MOST.



THIS IDEA COMBINES MY LOVE OF SNOWBOARDING AND PROTECTING THE ENVIRONMENT-AND SHOWS HOW FUN CAN ALSO HELP FIGHT CLIMATE CHANGE.

