

A decorative graphic on the left side of the slide, consisting of a network of white lines and circles on a blue background, resembling a circuit board or data flow diagram.

01. CHANGES IN TECHNOLOGY

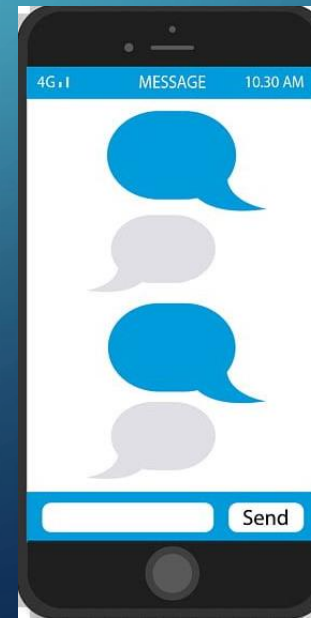
M1U2P1

CHANGES IN TECHNOLOGY

- These days technology changes faster than it did before
- Reason for that is because the current technology is available to most of the people
- The changes in technology help us work easier, faster, and more comfortable

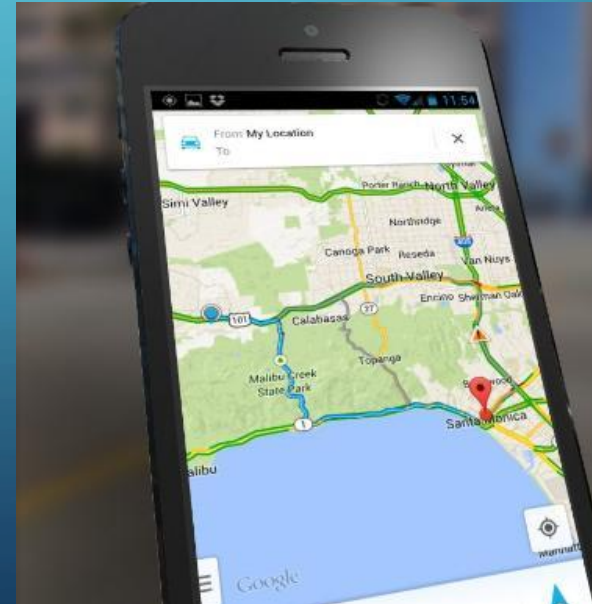
EXAMPLE 1: COMMUNICATION

- Before if we wanted to talk with someone that is far from us we had to send a letter over the post
- With the advancement of the technology we got phones and we could send SMS instead
- After that we started using emails and now we use different kind of messaging application to communicate with others



EXAMPLE 2: MAPS

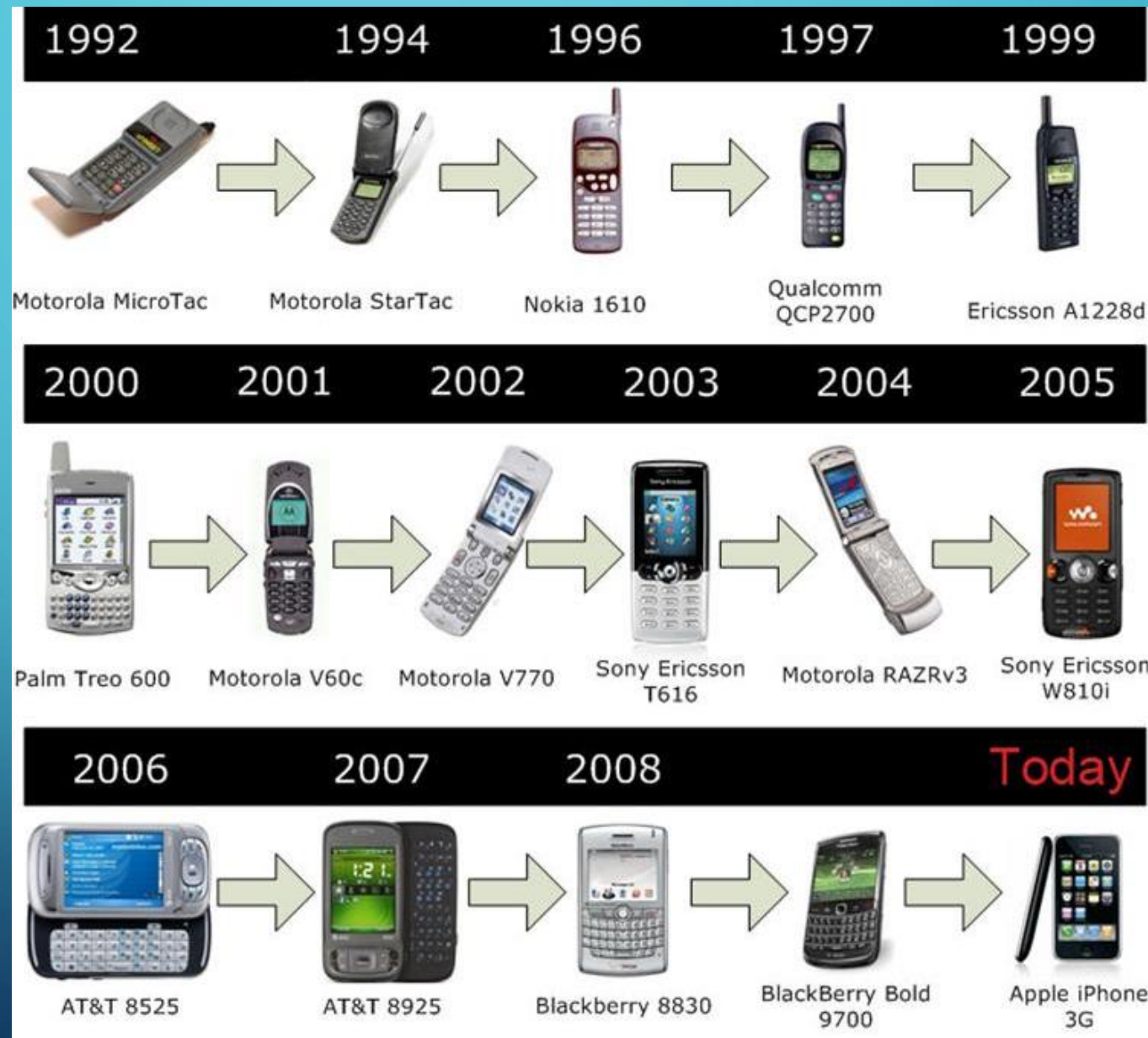
- Before when we were traveling we used maps to find our way around different areas
- Today we can just use the map application on our phone, which allows us to see where we exactly are and which way we have to



CHANGES IN TECHNOLOGY

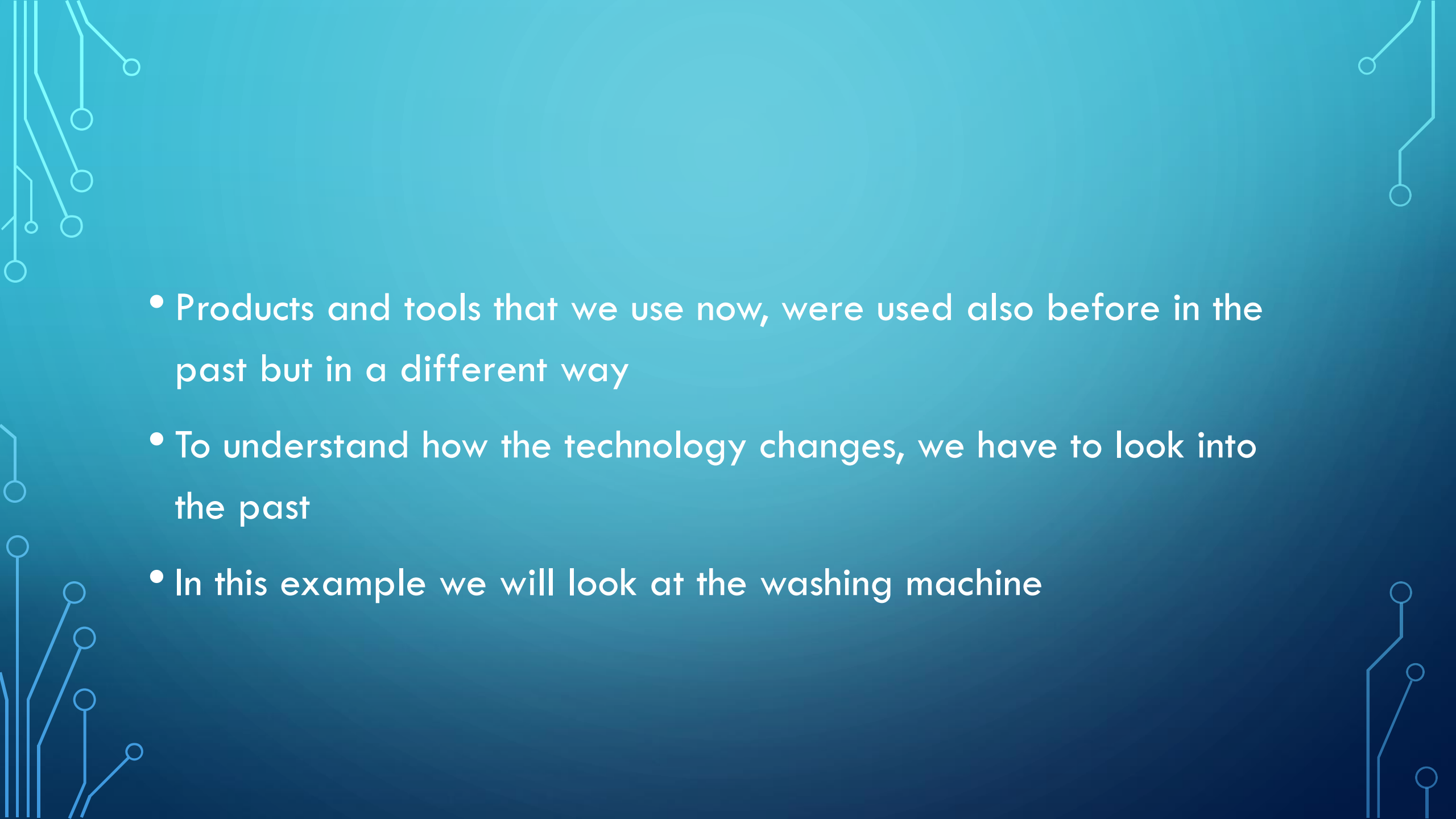
- To design and build new technologies we first need to understand the cause and the reason of the change in technology
- We need to understand how it works in everyday life, which will help us improve it later

WHY ARE THE TOOLS THAT WE HAVE USED BEFORE CHANGING?



CHANGES IN TECHNOLOGY

- In the past humans developed tools and products that helped fix their problems and needs in their daily life
- The tools and products were always improved from time to time to be more efficient and useful
- For example:
 - To harvest rice people in past did it by hand, but today they use combine harvesters
 - Because of that they could work more efficient and faster, so they could grow more rice
 - Because they got extra rice, they started to make different products

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- The background is a solid teal color. In the four corners, there are decorative white line-art patterns resembling circuit traces or a stylized tree structure. These patterns consist of thin lines that branch out and terminate in small circles.
- Products and tools that we use now, were used also before in the past but in a different way
 - To understand how the technology changes, we have to look into the past
 - In this example we will look at the washing machine

CHANGE IN THE WASHING MACHINE TECHNOLOGY

- In the past we didn't have electricity, or machines so to wash clothes we had to go to the nearest river
- When you come there you have to wash the clothes in river and you have to beat the clothes with a wooden bat or something similar on a stone



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- Washing clothes by beating was very exhausting so we needed to improve the tool so people have invented this
- With this tool we don't need to go anymore to the river because we have a small tub with water
- But we still need to scrub the clothes on the wooden part



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- Even though we didn't need to beat the clothes anymore we still had to do a lot of physical work
- To fix that we have developed a new way of washing clothes
- We have to put clothes inside with water and then we add some stones in a box
- When we move the handle the stones will clean the clothes



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- The previous one still needed a lot of manual work, especially when we had dry the clothes because we had to squeeze the water out
- New washing machine was improved in a way that spins the clothes and squeezes them so the water goes out
- But we still had to do everything manually



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- Introduction of new technologies can cause a change of an existing one
- With the invention of electricity and motors we made an electrical washing machine
- It mostly works on electrical power, but we still need to add water in it manually



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- So with next improvement it was logical to add the water pump which will make the machine more automatic
- To make the drying process faster we have added a drying machine to it
- But you still need to move the clothes from washing to drying part on your own



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- After new improvements on the mechanism the washing machine can work more efficient
- Now the washing part and drying part are in same place



CHANGE IN THE WASHING MACHINE TECHNOLOGY

- The washing machine is continuously improved to add more space, better functions and programs
- The components are better, lighter and stronger





ANY QUESTIONS?



THE END