

# Czech Republic

EDUCAnet Pardubice

Classes: 3.A, 3.B, 4.A, 4.B



# Development of modern technologies



# The impact of new technology on our society and its development

- media and communication devices such as computers, mobiles and radios have a great impact on our society



- **these technologies affect our mind**
- **the knowledge gained thanks to these technologies is still rising**



**Technologies could have bad influence on children because they play many action games and watch movies full of violence.**





**Some people also prefer communication through modern technologies rather than personal contact, and it may have negative affect on their psyche.**



**The use of media devices are the most widely used TV, radio and mobile phone. Mobile phone completely penetrated the whole of our population.**



**Next generation of technologies such as computer, bring new media options. Personal computers and the Internet are fast growing technologies.**

**Technologies  
such as tape,  
CD and video,  
are less represented.**





**These technologies are developed by increasing the technological quality**

- **speed Internet**
- **Internet on a mobile phone**
- **digital television**
- **broadcasting**
- **digital agenda between the citizen and public administration and the creation multimedia space**



**another of the most prominent signs of the impact of technologies on human organism is the syndrom called "burnout" (the fastest spreading disease present) and, not least of ICT means that people tend to feel that they live in a constant hurry.**



# Modern technology and education

- Education is more affected by technologies
- Children learn more and more skills **out of school**
- Students use modern multimedia laboratories for learning various subjects such as programming, graphics, databases, Microsoft Office, cutting videos, music clips etc.
- Some schools offer the possibility of using **MOODLE**: it helps students to share study materials, videos, homework and to study at home
- Students and their parents can see the grades at any time



# Information Society

- It is a society in which information and communication technologies have penetrated into everyday life.
- Use for disabled people.
- It is Fastest-growing area.
- Improve the quality of life.



# Modern technology

## helps handicapped people

- Some instruments help deaf people – e.g. an operator as an interpreter during calls
- It rewrites a content of the call to a text form
- In the future: the robots should **replace the doctors** - so-called nanobots (they can replace the cells and they work effectively at the same time)



# GPS

- **Global position system.**
- **GPS is one of many modern technologies.**
- **A lot of people prefer GPS than maps.**

## Advantages

- Location anywhere on or near the Earth.
- Connection anywhere on the Earth.
- Size GPS.
- Observation vehicles.
- Not only for cars.  
(but also for pedestrians, cyclists, trucks)

## Disadvantages

- Inaccuracy GPS.
- Power for cars.
- Easy robbery.  
(portable navigation)
- Often update.



# Types of GPS

- Pedestrian
- Cycling
- Naval
- Airplane
- Mobile phone
- Military
- Cars
- Locator



# History GPS



**One of the new GPS**



**The first GPS**



- **First GPS was used only for American army, but in the nineties the GPS was available for all users.**
- **From the beginning the GPS was crude.**
- **Signal wasn't available for throughout the country.**
- **It was showed about 20 to 30 metres from a certain point, due to abuse from terrorist.**

# How does THIS technology negatively influence our life?

- High purchase price.
- **Addiction** to computers.



▶ the danger of hackers, Trojan horses

▶ lack of physical condition

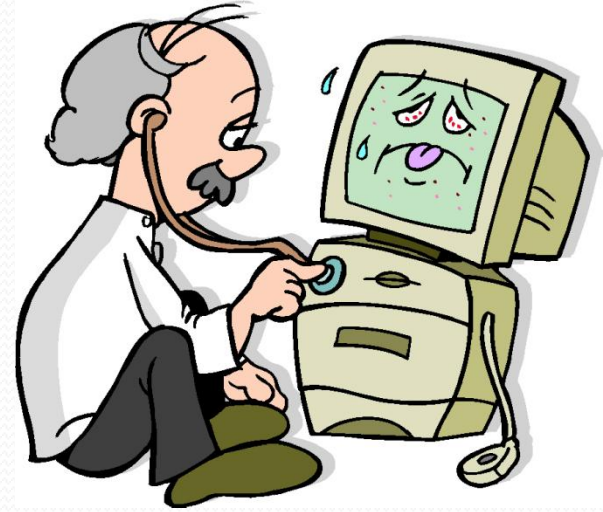
*"I THINK THAT'S RIGHT, BUT LET ME CHECK."*



# What's a Trojan Horse virus?

## THEORY:

- A Trojan Horse is an email **virus** usually released by an email attachment.
- If opened, it will scour your hard drive for any personal and financial information such as your social security, account, and PIN numbers.
- Once it has collected your info, it is sent to a thief's database.



# Computer crime

## (cyber crime)

- Computer crime comes in many different varieties.
- Computers are so prevalent now that computer crime has become the most widespread criminal activity in the world.
- But what motivates someone to attempt or commit computer crimes?
- Who knows... Maybe for the money or drawing attention to errors in the system.



# Thank you for watching

