Lycées Etienne Oehmichen

Châlons en Champagne
France

Etienne Oehmichen high school is composed of three entities: a general and technological school, a vocational training school and a post-baccalaureate institute. There are 1207 students (in 2011) aged 15 to 23. The educational structure ranges from technological and scientific studies (engineering, medical science, electronics…) to vocational training (catering, road transportation, logistics…)

Our school is equipped with 600 computers: 500 for students and 100 for teachers. There are 7 computer rooms where students work on PCs. We use video-projectors, a 3D printer and have a few smart-boards. Our boarding school is linked to the WiFi network.

All our students are trained to use new technologies from primary school to high school. They have to pass different levels of a certificate acknowledging their ICT skills.

I-   TEACHERS AND ICT

Number of teachers who participated in the poll: 20

- **Equipment at school**

Half of the teachers say the equipment is correct and the other half says the school is not enough equipped. Actually, it depends on which classroom is used and which subject is taught; for instance there are specific ICT equipped rooms for mathematics or science classes.

- **ICT training**

Only 2 lucky teachers have had professional training; the others are self made ICT users. All the teachers polled use ICT for personal purposes at least once a day; most of them several times a day. All of them use ICT for professional purposes, at least for administrative tasks.

- **Administrative use**

20/20   Online term report

20/20   Access to school website

17/20   Online reservation of specific classrooms and equipment

14/20   Professional email

09/19   Online students' attendance

- **According to you, what are the positive aspects of ICT?**

09/20   Share information concerning students

07/20   Time saving

00/20   Better communication with colleagues and administration

- **ICT tools used in class**

15/20 use computers and word processing software in class.

Mathematics teachers use spreadsheet software

11/20 use a video projector with a computer and audio-video documents.

11/20 use the internet in class.

Only one has got a smart-board in his classroom.

- **Educational use**

17/20   Create new lessons including audio, video resources.

16/20   Online homework textbook

13/20   Access to online resources

05/20   Digital textbook/exercise book

05/20   Answer students 'request via email

01/20   Collaborative work platform

- **Educational use of ICT in class.**
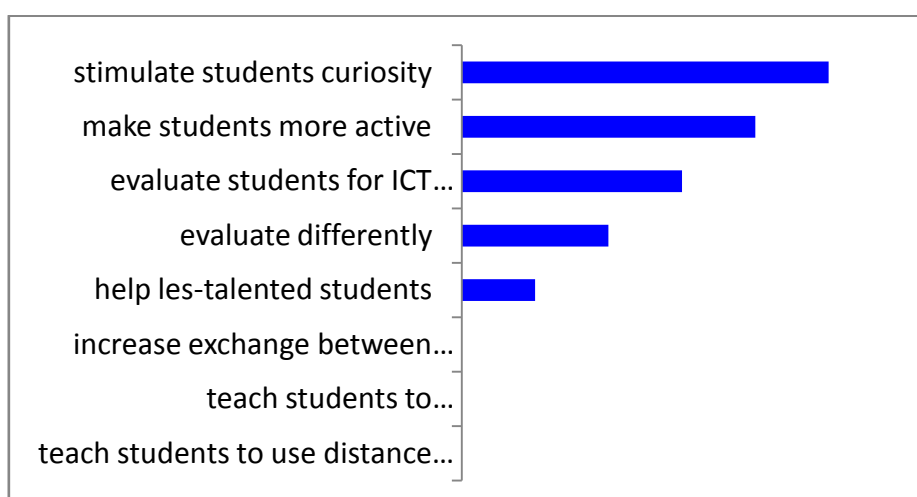
06/20   Evaluation

02/20   Correction of exercises

02/20   Exercises

13/20   Search for information

01/20   Lesson explanation

- **Purposes for using ICT in class**

- **Advantages of using ICT in the subject you teach**

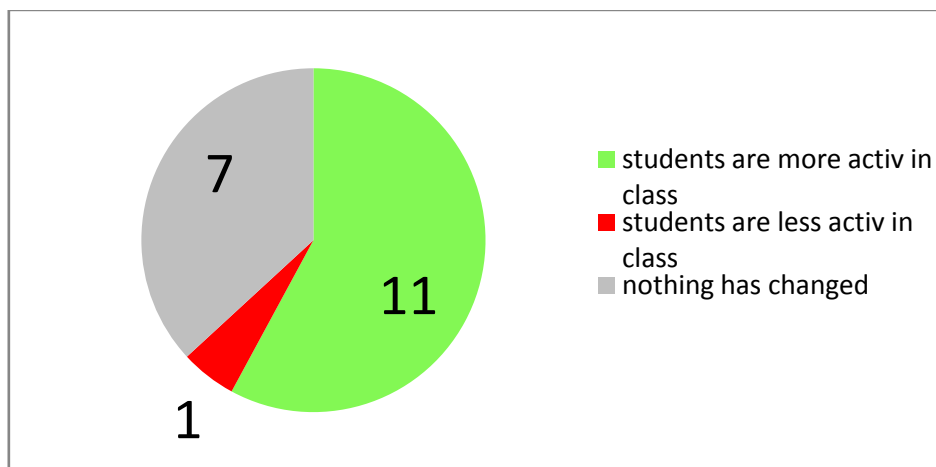12/20   Variety of resources available

11/20   Diversify classroom activities

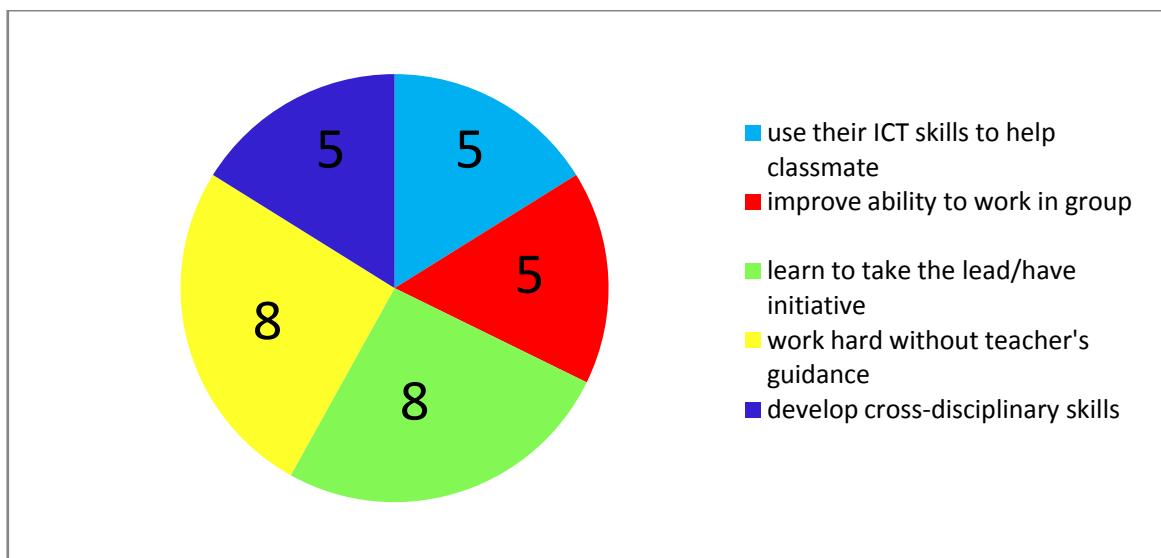10/20   Have access to updated information

06/20   Improve students' achievement

04/20   Make less academic students work harder

- **General impact of ICT on students' interest in class**

- **Advantage for the students' personal development**

- **Disadvantages of ICT**

Technical problems, lack of modern equipment, quickly out of date equipment

- **ICT and sustainable development**

Only 6 teachers think ICT permits to save paper

15/17 say it doesn't save energy

- **Students and the internet**

Our students sign an ICT rules charter (included in school rules) at the beginning of each year.

Most teachers warn their students about the dangers on the internet.

There's an internet website control in our school network.

- **Teachers and the internet in class**

Only 10/19 teachers polled use the internet during the class

8 say it's useful for students' learning

2 say it doesn't change anything for students.

All the teachers in our school use ICT at least for administrative use, to complete the term reports on line for instance.

Regarding the educational purposes, most of us use the ICT to create new lessons including audio-video-resources, animated graphs or maps or to simulate scientific experiment.

In class, the use of ICT depends on whether "your" classroom is well-equipped or not and on the subject you teach.
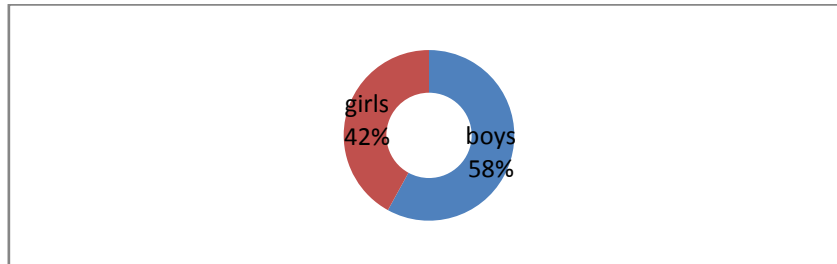
Science, mathematics and technology teachers are those who most frequently use ICT in class.

The great advantage of using ICT is to have access to a large variety of resources especially for the Humanities teachers and regarding the students , teachers hope that using ICT makes them more active and interested.
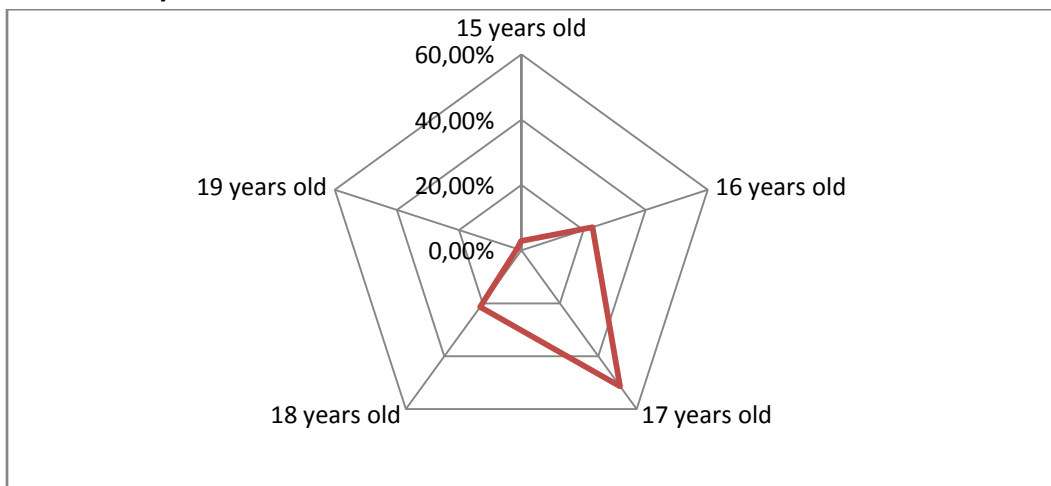
II- STUDENTS AND ICT
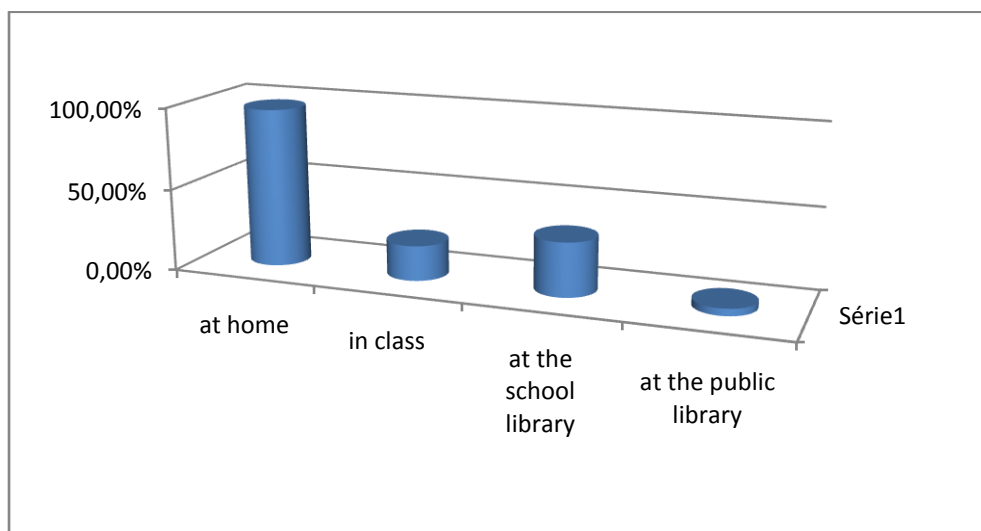
Number of students who participated in the poll : 70

- **Are you a boy and girl?**

girls 42% boys 58%
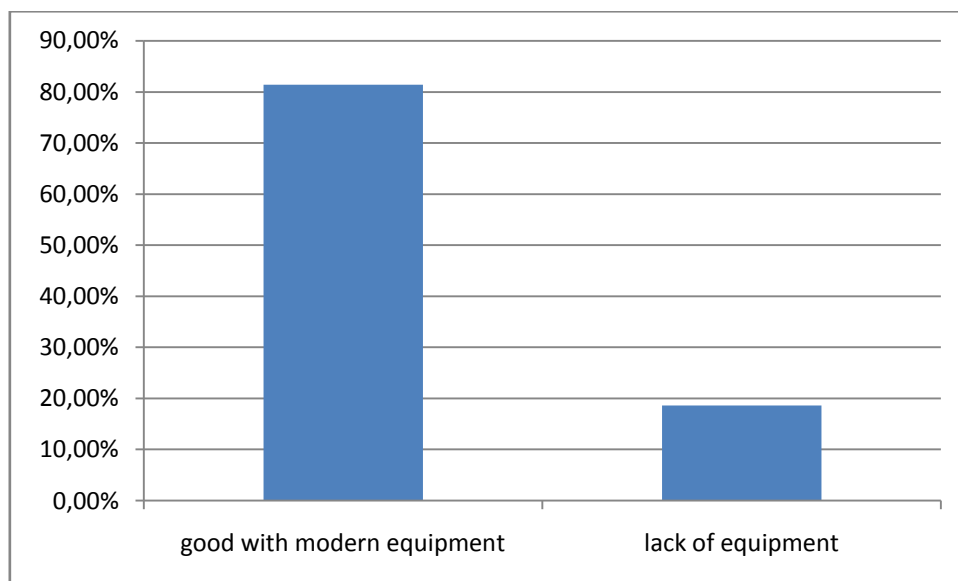
- **How old are you?**

15 years old
60,00%
40,00%
20,00%
0,00%
19 years old
16 years old
18 years old
17 years old

- **Your usual access to a computer:**

100,00%
50,00%
0,00%
at home
in class
at the school library
at the public library
Série1

- **Do you think your ICT skills are…**

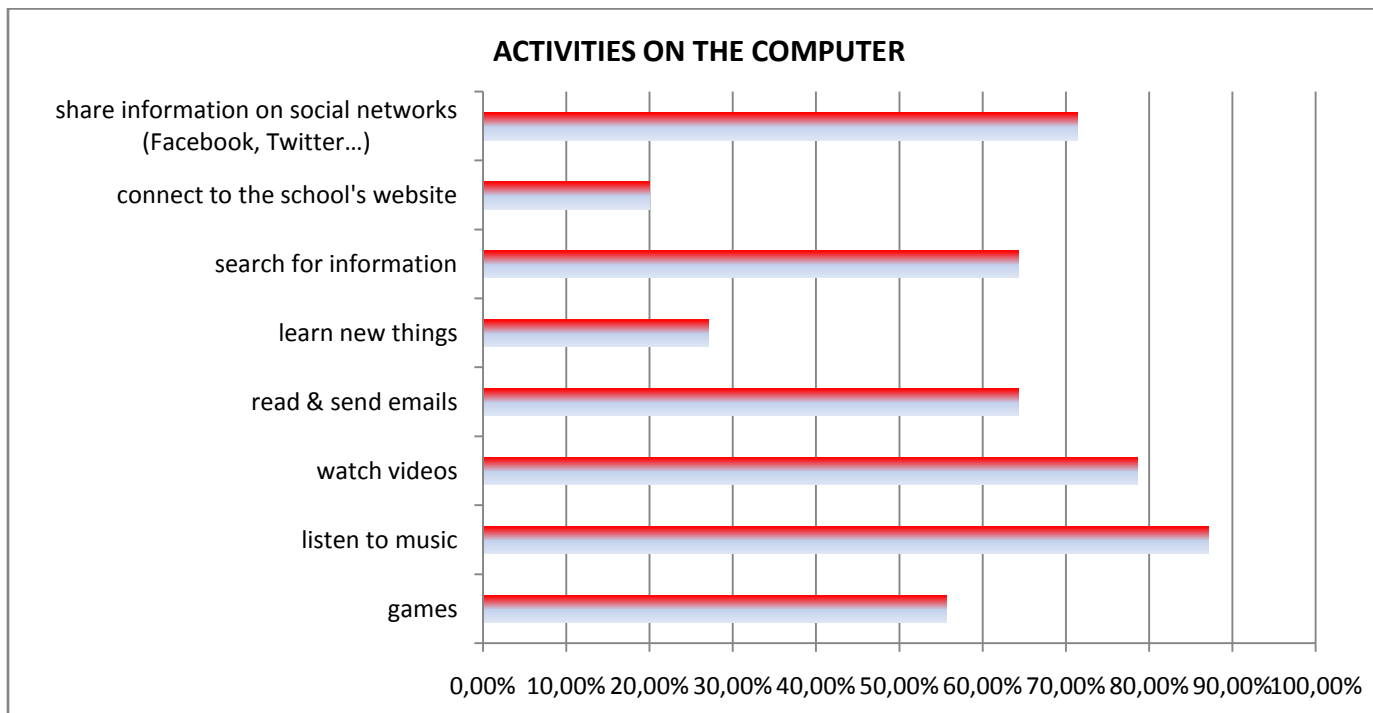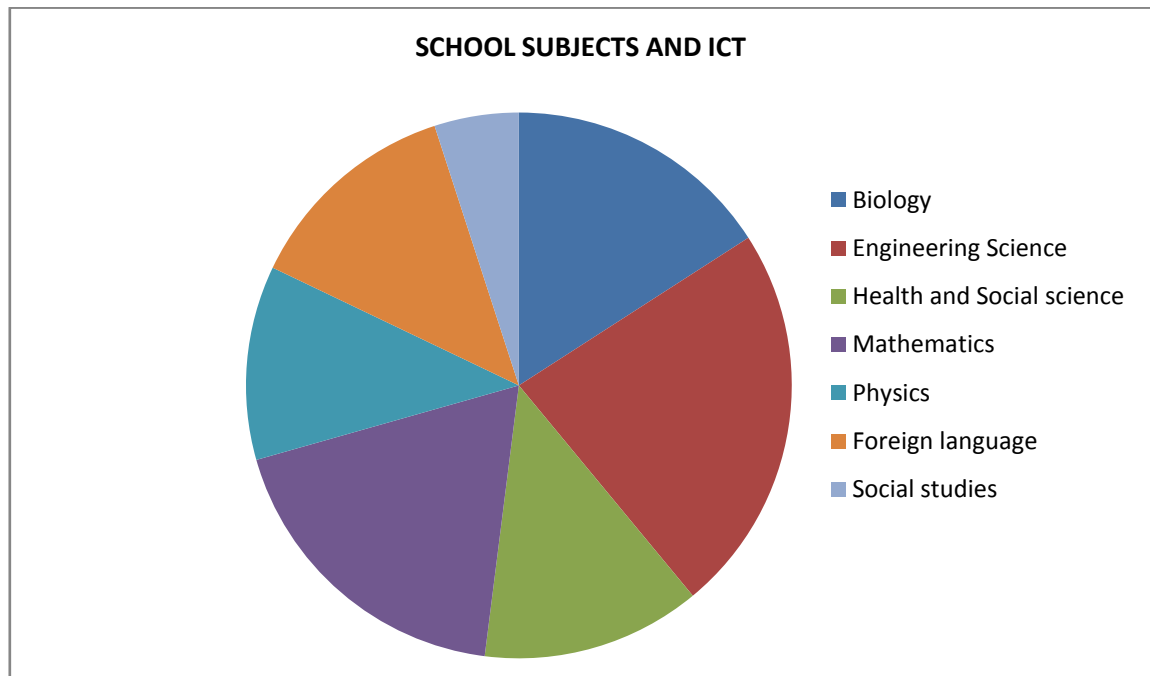|	
Excellent	14,30%
Good	48,60%
Average	34,30%
Bad	2,90%

- **You think your school's ICT equipment is…**

- **How often do you use ICT for personal purposes, school homework and in class?**
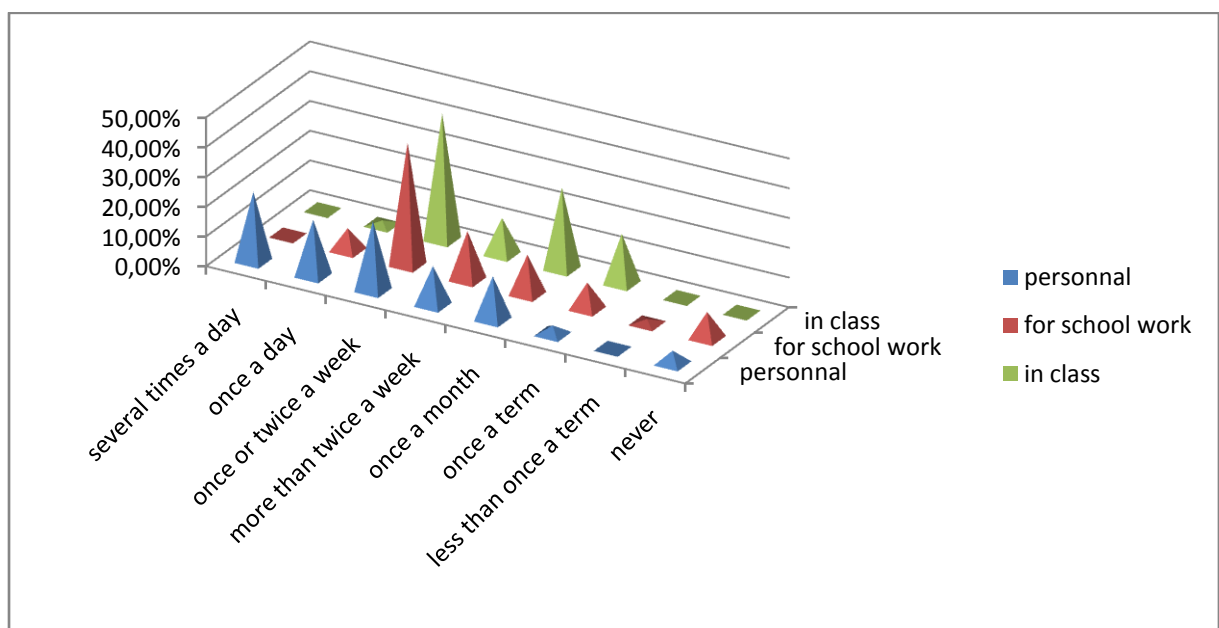
- **Personal reasons for using ICT:**

ACTIVITIES ON THE COMPUTER

Activity	
share information on social networks (Facebook, Twitter…)	~72%
connect to the school's website	~20%
search for information	~64%
learn new things	~27%
read & send emails	~64%
watch videos	~78%
listen to music	~87%
games	~56%

0,00% 10,00% 20,00% 30,00% 40,00% 50,00% 60,00% 70,00% 80,00% 90,00% 100,00%

- **Classes in which ICT is used the most:**

SCHOOL SUBJECTS AND ICT

- Biology
- Engineering Science
- Health and Social science
- Mathematics
- Physics
- Foreign language
- Social studies
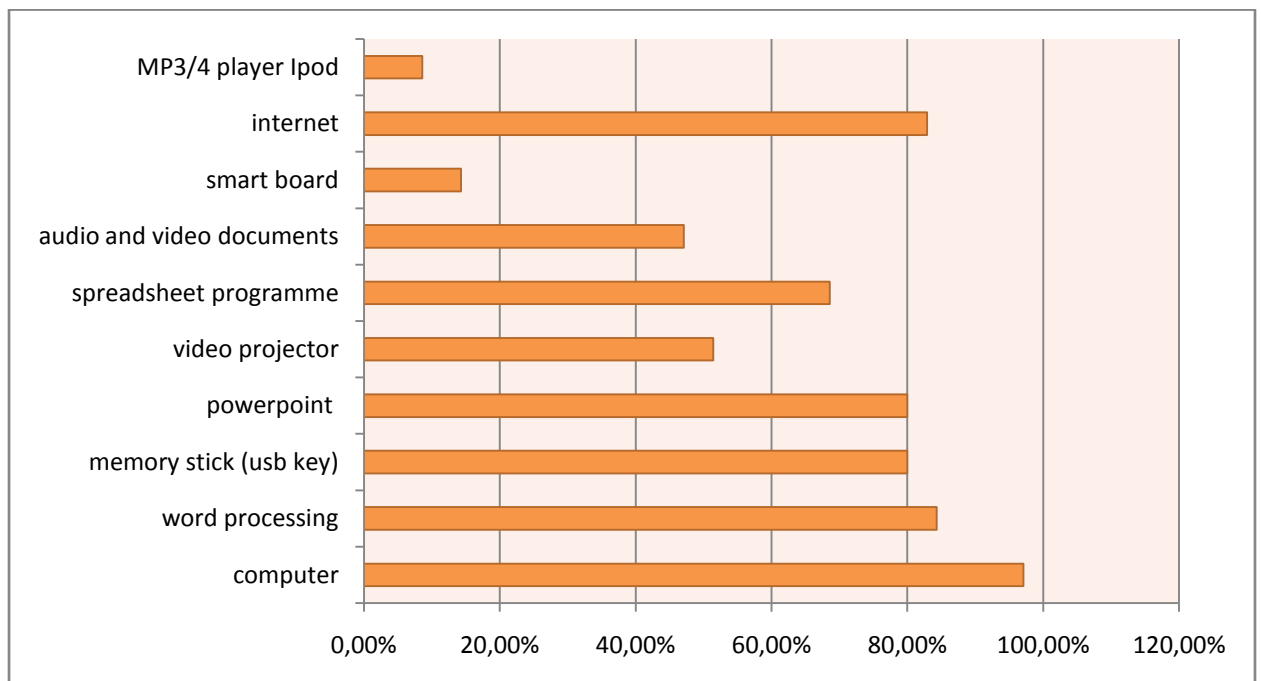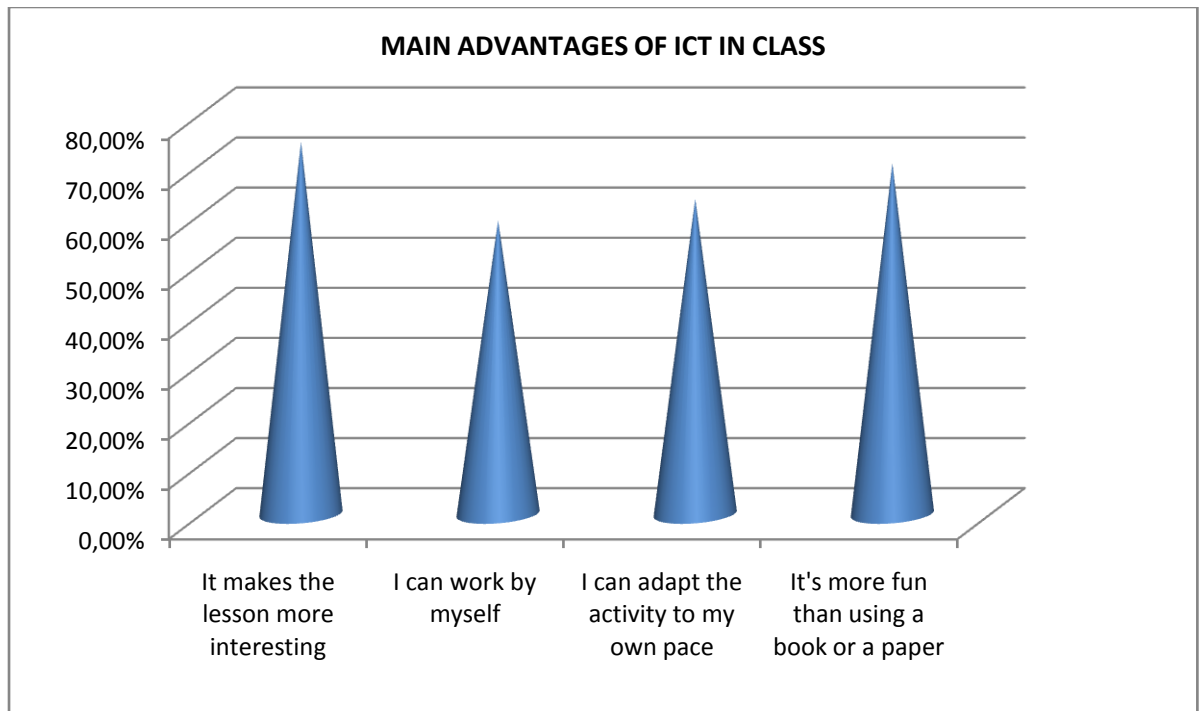
- For school work you use ICT to :
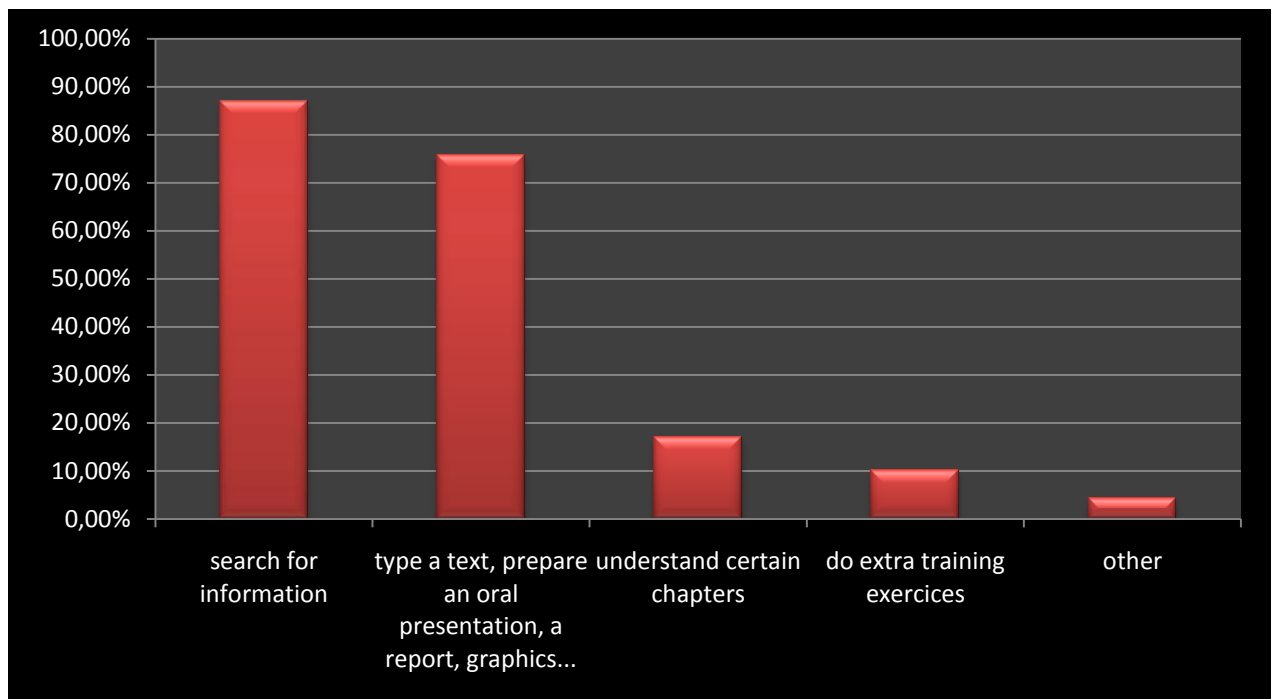
ICT tools used in class:

- **Advantages of using ICT in class:**

MAIN ADVANTAGES OF ICT IN CLASS

80,00%	
70,00%	
60,00%	
50,00%	
40,00%	
30,00%	
20,00%	
10,00%	
0,00%	

It makes the lesson more interesting | I can work by myself | I can adapt the activity to my own pace | It's more fun than using a book or a paper

- **Drawbacks to using ICT in class:**

DRAWBACKS TO ICT IN CLASS

60,00%	
50,00%	
40,00%	
30,00%	
20,00%	
10,00%	
0,00%	

Less communication | Technical problems
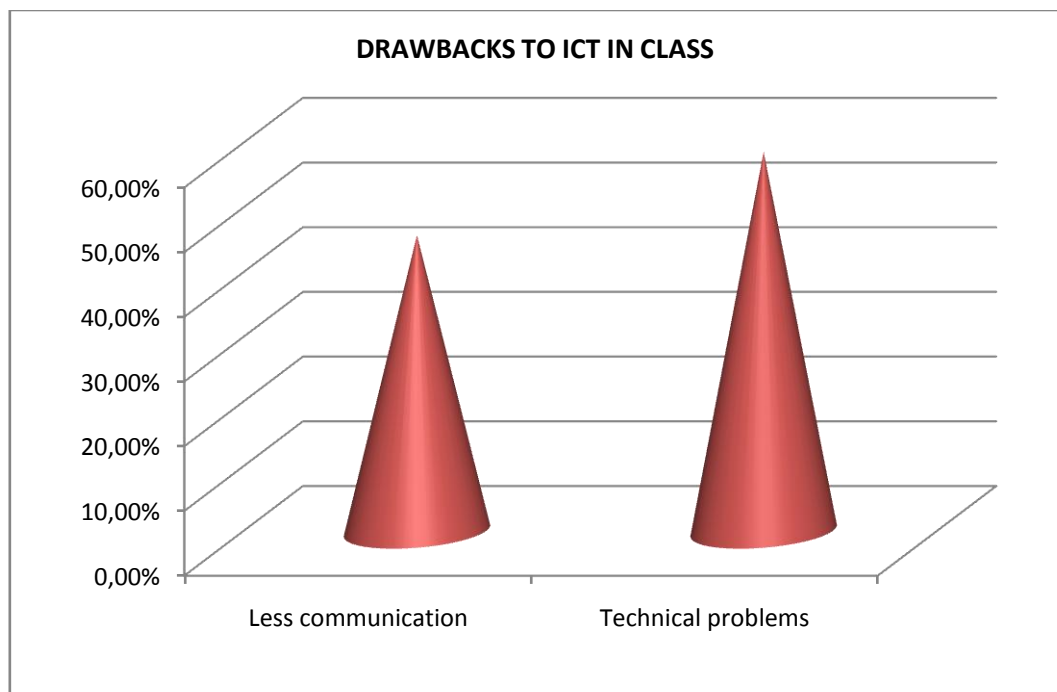
- **Impact of ICT on your attention in class:**

Nothing has changed for me
37%

I am more concentrated
37%

I am more active
21%

I am less active
5%

- **Using ICT is class…**

THE EFFECTS OF ICT ON LEARNING

- Positive effect
- No effect at all

- **Using the internet:**

Horizontal bar chart (yes/no):
- I share my personal information on the internet
- There is an internet website control in my school network
- I am well aware of the dangers on the internet
- I respect the rules
- I sign an ICT rules charter at the beginning of the year

Legend: yes, no

Axis: 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

- **Impact of ICT on your personal development:**

Pie chart:
- Gain self-confidence 15%
- Develop cross-disciplinary skills 31%
- Gain autonomy for distance learning 25%
- Learn to take the lead/have initiative 29%