High School “Dobri Daskalov”
Kavadarci, R. of Macedonia
About the School

- Founded in 1945 in Kavadarci;
- The school has 900 students and 50 teachers;
- According the curriculum students learn 4 years education in 7 classes:
  - 5 classes are Gymnasium (Social, Science, Language and Art)
  - 2 classes are Vocational education (Economic – law and trade branch);
- Web: www.dobridaskalov.edu.mk
- Competitions,
- Educational workshops,
- Drama performances,
- E-learning,
- Debates,
- Art exhibitions,
- Choir, Orchestra,
- Charity,
- International school cooperation
High School Dobri Daskalov Kavadarci
70 years anniversary
Nevenka Pop-Angelova

- Born (1966) and live in Kavadarci;
- Married, two children;
- Principal of High school Dobri Daskalov (2008- )

Education:
- 1991 graduated at the Faculty of Natural Sciences, Department of Mathematics and Computer Science
- Management of Human Resources
  - Attending post-graduate studies at the Institute for Social and Political-Legal Research- Management of Human Resources
Nevenka Pop-Angelova

- Work experience
  - 2000-2008 Teaching Mathematics, Algebra, and CS High school Dobri Daskalov;
  - Also from 1995 to 1999 I was manager of the center for computer education “Milenium 3” in Kavadarci
  - In 2002 I was coordinator of Phare Vet II programe and manager of Get Ready Programe sponsored by Phare for one year.
  - In 2004 I was teaching students for 3D animation (Maya), and teaching IT teachers from the region –Mambo-web design.
Nevenka Pop-Angelova

- From 2005 to 2006 I was working on a project for Introduction of E-Governance in Macedonia Program sponsored by Microsoft and UNDP.

- Participating in all the teaching trainings from the project E-Government:
  - Managing and Maintaining a Microsoft Windows Server 2003 Environment
  - Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts
  - Implementing, Managing and Maintaining a Microsoft Windows Server 2003 Network
  - Installing, Configuring and Administering Microsoft SQL Server 2000 Database
  - Designing IT Platform Collaborative Applications with Share Point 2003 Workshop
Nevenka Pop-Angelova

- In 2012 I had active participation on Contact seminar organized by NA –Birmingham “back to work back to learning”
- In January 2015 I was Supervisor in an Intercultural Exchange Project at the Pestalozzi Children’s Foundation, Switzerland
- Participation in project Infomercial, a collaboration between Macedonia and Sweden, 2015
Nevenka Pop-Angelova

- I have been participating in organizing planning and performing a lot of extra – curriculum activities and educational projects
- Organizing the educational process of High School, improvement of the conditions in the school building management of the teaching stuff, conducting project, initialing of new teaching methods
Miki Kamchevski

- Born and live in Kavadarci;
- Education:
  - Faculty of Philosophy, History department, Ss. Cyril and Methodius University of Skopje
- Work experience:
  - History teacher at Гимназија “Добри Даскалов” & High school Кирио Спанџов Брко
- Erasmus+:
  - Youthpass holder, EVS voluntary program, Turkey 2012
  - Participation in project Infomercial, a collaboration between Macedonia and Sweden, 2015
- Email: mikikamcevski@gmail.com
- Facebook: www.facebook.com/ mickey.kamcevski
ICT Implementation in the education process

– successful story from High School “Dobri Daskalov” - Kavadarci
Contents

- Implementation of ICT in educational process status before year 2000 in High School “Dobri Daskalov”.
- Accomplished projects between 2000 – 2015
- Implementation of E-learning system
- Outcomes from project implementation (June 2011)
- Conclusion
Part 1- Introduction

- Era of technological development, globalization and information revolution.
- Educational process key priority in R. Macedonia is efficient Implementation of ICT “PC for every student”.
- High School “Dobri Daskalov” annual plan priority:
  - „continuous computer education for teachers for quality education“
- Implementation on e-learning system Moodle - experimental and optional
Part 2- „Implementation of ICT in educational process status before year 2000“

- Before year 2000 SOU High School “Dobri Daskalov” possessed
  - 22 PC’s
  - One classroom with 17 PC’s- for Computer Science and Informatics classes
  - 5 more PC’s for administrative purpose
  - 3 printers
  - And none LCD projector or lap-top
- Student had access to PC’s only during Computer Science and Informatics classes
- Teachers had a minimal usage – only Computer Science teachers and few enthusiasts
Opinions and teachers attitude about Implementation of ICT in educational process

- ICT is great thing, but you can’t use simple,
- ICT is great thing, but we are too old for that, let the younger to learn,
- ICT is great thing, but I will retire earlier than to learn this,
Conclusion

- The usage of ICT before year 2000 was at unsatisfactory low level, compared to developed European countries.

- Reasons:
  - Lack of equipment in the school,
  - Lack of information content in educational process,
  - Limited ICT knowledge and lack of motivation
Completed projects between 2000 – 2015

- Equipping the school with ICT
  - “PC for every student” Project (2008)

- Training courses for teachers about ICT usage through the projects:
  - “Be ready”,
  - “E-school”,
  - Project for modernization of education
  - “PC for every student” Project. -> Organized training for the teachers for using tools like
  - Geogebra (Mathematics), Lazarus and Anjuta C++ (Informatics), Kalzium, Chemtool (Chemistry), Physics
Completed projects between 2000 – 2015 (2)

- School webpage www.dobridaskalov.edu.mk

Very important: Archive, Backup
Completed projects between 2000 – 2015 (3)

- Every day usage of “Е-дневник” (E-gradebook)
- Regularly update in applications “Емис” и “ХРМ”
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Completed projects between 2000 – 2015 (4)

- E-testing
- Implementation of E-archive
- E-library with the application FACIT
Benefits from this projects and training courses

- All teachers are trained for ICT usage
  - Continuous improvement of teachers ICT skills
- Completely equipped 10 classrooms with ICT;
- 20 PC’s and 10 printers functional for administrative purpose, in the teachers office and science cabinets, Stable Internet connection
- 5 LCD projectors,
New Opinions and teachers attitude about Implementation of ICT in educational process

- ICT is great thing, and is helping in administrative tasks throughout educational process
- ICT is great thing, although I am older, I can learn the techniques and use it in educational process
- ICT is criteria for literacy, not reading and writing
- Without ICT knowledge I can’t finish my work.
Zoran Milevski

- Born and raised in Kavadarci;
- Education:
  - MSc in Computer Science, Computer Software Engineering, Faculty of Computer Science, University "Goce Delcev" at Stip
  - BSc in Informatics Education, Graduate Professor of Computer Science Secondary Education and Teaching, Ss. Cyril and Methodius University of Skopje, FNSM, Institute of Informatics
- Work experience:
  - Teacher of Computer Science and Informatics at High School Dobri Daskalov;
- Erasmus +:
  - Comenius Contact Seminar for School Partnerships, Munich 2012
  - Participation in project Infomercial, a collaboration between Macedonia and Sweden, 2015
- Email: milevskiz@gmail.com
- Facebook: www.facebook.com/milevskiz
E-learning in school

teacher
moodle
student
Implementation of E-learning system (1)

- Moodle is software tool for creating and maintaining online courses, and it can be used for individually learning or as addition to the classic education
- Moodle is short for Modular Object-Oriented Dynamic Learning Environment
- Concluded an agreement for collaboration with E-learning Center at The University of “Гоце Делчев”- Штип in 2010/2011 school year
- Training courses were completed for 15 teachers High School Dobri Daskalov

„Implementation of E-learning system“ (1)
Implementation of E-learning system“
Project(2)

- 250 student included
- Access to E-learning system is provided on:
  - Official website www.dobridaskalov.edu.mk,
  - Or directly on www.dobridaskalov.edu.mk/moodle
- Today
- 2000 students and also graduated students for past 5 years and
- 25 teachers actively using the tool
- 84 active courses for every subject
Results of the project implementation (1)

- Improving the quality of educational process,
- Increasing the motivation of students,
- Increase the interest of students in educational process during learning new material and examination process,
- Increase the creativity for both teachers and students,
- Archiving database and knowledge database and it’s simplified managing;
Results of the project implementation (2)

- The Forum module allowed better communication between teachers and students, and even better collaboration between the students itself.
- The module for home work attachment motivated the students for finishing and sending them on time.
- Interesting opportunity for the teachers which allowed them to control students learning and downloading materials.
ICT

- Without ICT today I cannot imagine myself completing everyday tasks, nevertheless private or professional.
- There is a lot of applications and tools that can be used, but the question is what and why?
- With combination of some applications everyday work I can create, manage and share documents, pictures, videos and many more multimedia data.
- First thing that I find very useful is Dropbox.
Apps and tools in my classroom

- Besides the standard office applications I would like to point out and talk about these apps:
Video conference lecture

- Using various methods for the new material using ICT to make the presentation more interactive and interesting for the students
- Presentation with our ex-student that studies Informatics and have 10.0 grade average during class of Programming languages
First time I encountered Moodle was in my student days.
Later, as a teacher in the High School “Dobri Daskalov” in Kavadarci, I started to use Moodle as primary tool with combination of many other applications, that I share with my students.
The implementation of this e-learning tool in my school was in 2010/11.
Very useful because we have new educational programs in informatics in my country and the books are not updated yet.
What I do in Moodle:
- Attach doc’s and URL’s
- Keep archive of my work
- Give homework to my students
- Create quizzes
- Follow students progress in learning
E-learning Moodle

- Master thesis Educational Data Mining in Moodle
  - Concept of data mining (getting useful information from data) and analysis of the activities of the participants – student and teacher
  - Better approach in evaluation of larger groups of participants the learning process.
Teaching through games

- Akinator...
Blagorodna Lazova

- Born and live in Kavadarci;
- **Education:**
  - University Св. Кирил и Методиј - Скопје
    - Electro-technical faculty - Скопје
    - *Department*: Computer techniques informatics and automatic.
  - Faculty of Philosophy - Скопје
    - pedagogical– psychological and metodical qualification
- **Work experience:**
  - From 2008 година Teacher of Computer Science and Informatics at High School Dobri Daskalov;
  - February, 2009 trainer for АКМИС – application in the court house in Kavadarci and Negotino
- Email: lazovablagorodna@yahoo.com
E-learning system moodle

- Interactive education with E-learning system moodle
- Uploading e-materials for the students;
- Homework attachment;
- E-testing (quizzes);
- Uploading and evaluation for students exercise;
- Creating an E-file for the students practical exercise;
I-talc tool

- Observing and controlling the activity of the students during the class;
- Exercise demonstration and new material presentation;
- Students work management and demonstration of their work;
Educational materials from the Internet

- Monitoring of educational programs and content during class
Participation of students of electronic contests
Implementation of ICT in the classroom

- MOODLE
  - Discussion forum
E-testing
News feed forum
- Websites (Wikipedia.org, History.com, Youtube.com, etc.)
- Video documentary
- Animated maps
- Dropbox
  - Sharing documents, photos, PDF files, learning materials, etc.
iTalc
На час по историја
Kostadincho Petrov

- Born and live in Kavadarci;
- Education:
  - Faculty of Economics, Ss. Cyril and Methodius University of Skopje: Bachelor of Financial Management
- Work experience:
  - Teacher of economic subjects (Business and Entrepreneurship, Marketing, Practical training)
  - Trainer of EU Program: Support for the employment of young people and unemployed.
  - Coordinator of UNDP Program: Training for demanded occupations in the labor market - the accounting officer
using the Internet as a secondary source
Entrepreneurship Classroom Activities

There are a great variety of ways to make entrepreneurship programs interesting and memorable through active participation in the learning process. We have provided some of these for teachers to use and adapt to their classroom needs. We hope you will send us your prize examples to put on this web page also. We will be sure to give you credit.

- **“Business Plan Know How”** - Creative Thinking and Questions To Ask
- **“Just What is Profit?”** - Try this activity to see if you know what profit is!
- **“Creativity, Innovation, and Problem Solving”** - Lots of web pages to use in practicing business creativity
- **“Promotion Basics”** - Practice Using the Promotional Mix
- **“Visualize Your Future”** - Classroom Activity
- **“Franchising Know-How”** - Develop Your Own Franchise
- **“Market Research for the Classroom”** - Find out Student Needs
- **“Profits Come From Taking Risks”** - How do entrepreneurs make plans to
class Business and Entrepreneurship: Use of web pages
http://www.eiu.edu/youtheducators/thinkingacts.php
Cool and Cloudy Today

Lemonville Telegraph

资产 $2.54

成本每杯 8 分

你收取 25 分每杯。

你制作了 15 杯。

你卖了 5 杯。

产品费用：$1.2

广告费用：$0.5

总费用：$1.7

毛利润：$1.25

净利润：$-0.44

柠檬汽水摊

GO!
Practical training: Use of YouTube: Preparing for job interview
class Practical training: Use of YouTube: Ted talks about problem solving and motivation“
use of computer in teaching
class Practical training: Use of accounting software – free version
class Practical training: Use of MS Office creating invoice and business letter

Collections Of The World
123 Any St.
Suite A
Somewhere, WA 12345
123-123-1234

April 15, 2001

Your Most Valuable Client
123 Any St.
Anywhere, WA 12345

Attention: Craig Client

Welcome to the body of this report. You may modify any text here. This letter body will contain everything your company wants to say to your client. You can pull information from any field within your database, by placing printables fields within this report. You can customize this report in any way you wish. Create variables to perform some mathematical functions, display totals and do complex calculations.

Select one of our style templates or create your own. When you have selected your style and modified it to suit your needs, save it as a template, copy and paste the report as many times as you wish, modify the body as needed and quickly move on to the next report or letter. You may also include graphics, lines, headers, circles, and color if you have an appropriate printer. Control fonts, or display data in precise spaces if you are printing to pre-printed forms.

Yours Truly,

[Name]
[Title]

All the information you need to make your own custom reports is available on CollectIt’s help system. Be sure to print out the sections that you refer to repeatedly. It will save you valuable time.
class Marketing: Use of MS Office and Photoshop
High School “Dobri Daskalov” take care for the environment
C O N C L U S I O N

LESS
- Paper
- Single source
- Compliance
- Consuming
- About how much

MORE
- Pixels
- Crowd source
- Choices
- Producing
- About how well