

Integration of ICT...

AAS is very fortunate to have very modern and well maintained ICT equipment that is constantly growing. There are more than 100 networked computers around the school. Each classroom is equipped with three or four desktops and projector with a notebook. Two



carts of 10 notebook computers are available for all classes to book and use in the classroom throughout the year. In addition we have digital cameras, video cameras, printers and

scanners for use across the school.

Smartboards and a variety of educational software are used to implement ICT across the curriculum. It is vital that students learn when it is appropriate to use ICT and consider which application is the most suitable.

Our students have access to the computers in their classrooms and to two very modern computer labs, one of which serves the needs of the Elementary school and the other one the needs of the Middle and the High school. Each lab is equipped with 20 powerful computers (one per child) a projector, printer, headphones and microphones and a scanner. All children are able to log in to the school network and use resources and software to create, store and print their work. In addition video and digital cameras can be used to record events for ICT and cross curricular projects. Students are taught how to use the equipment and the associated software.

The ICT Manager ensures smooth implementation and monitoring of the School ICT strategy across the organization.

ICT Teachers work closely with all Classroom Teachers and Specialists to plan and



deliver engaging, cross curricular lessons.

The school Network is maintained on a daily basis by a full time Network Manager and a Desktop Support Technician.

The Anglo American School of Sofia

Vibrant, quality education..

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AAS Sofia



Information and Communication Technology

...Supporting
meaningful integration
of technology...

2011-2012

The program...

We work collaboratively with teachers to provide opportunities for meaningful integration of technology in project based learning related to the curriculum.



Students learn to view technology as a tool to find and explore information, develop their ideas and present them in a variety of ways. They learn how to collect and analyze data, to organize ideas and develop creativity. Students learn to

collaborate with others in school and around the world by sharing and exchanging information. Responsible use of the Internet is stressed throughout the program.

The role of keyboarding

Although learning to type efficiently is an important skill it is by no means the crux of our program. As a part of our program, students from grade 1–8 will use typing software to practice and develop their keyboarding skills.

The school website

www.aas-sofia.org

The school website is used to give overall information about our school as well as to display student work and provide access to online educational activities that may be very useful in helping your child learn at home. The website is your connection to Moodle, our online course management system. In Moodle you can find class newsletters, important class information, photos of class activities and, in the upper school; assignments, forums, wikis, and online quizzes. The website also is the portal to our rich Library resources, including online access to the Ebsco Databases and the Follett catalogue. Why not set www.aas-sofia.org as your home page?

Some projects & tasks...

Projects are planned with classroom teachers and evolve as necessary.

Kindergarten - Grade 2: Exploration of options to make choices and to learn to use simple ICT tools.

- Use Kidspiration to create mind maps, webs, concepts maps & organizational charts.
- Create pictures and patterns using Paint.
- Use MS Publisher to arrange pictures and text.

- Learn to use the digital camera .
- Participate in a telecollaborative project.
- Create simple presentations using PowerPoint.
- Use 2Simple Software to create stories, animations, simple databases, charts, graphs, solve math problems and control devices
- Discuss the impact of ICT, the components of a Computer system and the need of safety and respect for others when using ICT.

Grade 3– 5: Purposeful use of ICT to achieve specific outcomes, develop ideas and solve problems.

- Explore and select the information needed for a particular purpose and check accuracy.
- Participate in a telecollaborative project.
- Use Publisher to create brochures and to present a variety of written work for a particular audience.
- Use an object based program (Google SketchUp and Publisher) to create models.
- Use PowerPoint to create multimedia presentations including text images, sounds, links.
- Learn about publishing to the Internet
- Get hands on experience with video editing and / or digital storytelling. Create digital animations.
- Use the digital camera, video camera and scanner whenever appropriate
- Use MS Excel to enter data, use simple formulae to calculate totals, draw graphs and explore mathematical models.
- Discuss the impact of ICT, the variety of ICT systems and their components. Understand that ICT devices can be linked together by networks and recognize some benefits.
- Understand the need of safety and respect for others when using ICT and the risks to data and personal information.



Grade 6 –8: Focused, efficient and more rigorous use of ICT to carry out a range of increasingly complex tasks.

- Use image editing software
- Participate in a telecollaborative project
- Use the digital camera, video camera and scanner

whenever appropriate

- Create digital animations
- Design digital portfolios in an online web environment'
- Learn data management with spreadsheet and database skills using both MS Excel and Inspire Data
- Get hands on experience with video editing and / or digital storytelling.
- Assess relevancy and validity of digital resources. Discuss ethical issues that arise in technology and develop responsible use.



Grade 9-10: Two electives are offered-Multimedia :

- Use a range of multimedia tools (Flash, Powerpoint, Adobe Premiere Elements, Web 2.0 Tools) in a purposeful way to share, exchange and present information effectively in a variety of contexts
- Participate in a Flat Classroom Project, a global collaborative initiative involving students around the world
- Be independent, discriminating and reflective when using technology.

Yearbook:

- Students will create our school yearbook
- Use ICT tools for photography, planning, writing content, design and page creation.

Programs we use:

- Office Suite 2007
- Adobe Premier Elements & Movie Maker (video editing)
- Kidspiration & Inspiration (graphic organizer software)
- Geometer's Sketchpad (dynamic geometry software)
- Dreamweaver (web page editing software)
- Adobe Photoshop Elements (image editing software)
- Google SketchUp (3D modeling software)
- Audacity, Castblaster (trial version)
- Neighborhood Map Machine
- Adobe Creative Suite CS3
- Flowol (a software for controlling devices)
- Inspire Data (a database software)
- 2 Simple (an award winning ES package, designed especially for young learners)