

## **Computers and Technology Grades 5-8, Saint Joseph School Gerry Mabli**

The newly improved upper school lab contains:

- Twenty-eight Macintosh iMac computers
- High speed 600 dpi laser printer.
- Digital Camera
- InFocus Multimedia Projector for projecting computer projects on to a large projection screen

In addition to access to a wide range of software, CD's and DVD's, each of the computers in the lab is connected wirelessly to the Internet using a WiFi high speed, broad-band DSL connection. Filtering out of inappropriate material is handled by highly effective SonicWall hardware.

To extend and integrate technology into the students' daily academics, individual classrooms each contain computers.

Saint Joseph School adheres to the Performance Indicators for Technology-Literate Students as set forth by the ISTE (International Society for Technology in Education).

Prior to the completion of Grade 4, students will:

1. Use telecommunications efficiently to access remote information, communicate with others in support of direct and independent learning, and pursue personal interests.
2. Use telecommunications and online resources (e.g., e-mail, online discussions, Web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom.
3. Use technology resources (e.g., calculators, data collection probes, videos, and educational software) for problem solving, self-directed learning, and extended learning activities.
4. Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.

In addition to the above, students in Grades 6-8 will:

1. Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use.
2. Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society
3. Exhibit legal and ethical behaviors when using information and technology, and discuss consequences of misuse.
4. Apply productivity/multimedia tools and peripherals to support personal productivity group collaboration, and learning throughout the curriculum.
5. Collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom.
6. Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems.
7. Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to learning and problem solving.
8. Research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems.