



## **Computer**

**Computer instruction is essential in today's elementary educational process.**

**St. Bernadette School follows the Diocesan Elementary Curriculum Guidelines for computer instruction. Beginning in Kindergarten with awareness of computers and their use, the children go to weekly computer lab for eye-hand coordination, use of a mouse, reinforced skills, drill and practice of early learning skills, and basic understanding of care of the equipment.**

**In grades one, two, and three, awareness expands to include keyboarding skills, drill and practice of language arts, math and spelling and fundamental knowledge of school, business, and government applications along with general care and use of equipment.**

**In grades four, five, and six, the children begin working on word processing skills and graphics. They are given projects to accomplish as members of a team and use word processing skills for their project submissions.**

**Grades seven and eight begin using computers as learning tools. The introduction of data bases, spreadsheets, Word 2003, PowerPoint, and Excel become their responsibility for completion of their projects and assignments.**

### **Coding:**

**St. Bernadette School is a proud partner with Code.org.**

**Grade 2 through Grade 8 participate in the Hour of Code. The Hour of Code is organized by Code.org, a public 501c3 non-profit dedicated to expanding participation in computer science by making it available in more schools, and increasing participation by women and underrepresented students of color. An unprecedented coalition of partners have come together to support the Hour of Code, too — including Microsoft, Apple, Amazon, Boys and Girls Clubs of America and the College Board.**

**The students in Gr. 2 through 6 work with Flappy Bird, The Artist, The Artist 2, The Farmer, Zombie Artist, Code Attack, Code Monkey, Elsa and Light Bot. These programs highlight coding techniques and introduce computer programming in fun and entertaining way for the elementary learner.**

**The students in Gr. 6 through 8 work with Infinity Play Lab, Play Lab, Course 2. Course 3 and Course 4 from Code.org. These courses building the elementary level and continue into higher levels of programming.**