



Queen of Heaven School

Growing in Faith, Knowledge and Grace

Hello and welcome to the 2014-2015 school year! The curriculum for computer technology class in fourth grade is meant to teach students how to use the Internet for research, communication and working collaboratively while publishing online documents. Please take the time to review the curriculum below. I have also attached my grading policy as well as my code of conduct that is to be signed and returned.

I look forward to a positive, exciting and eventful year!

Sincerely,

Mrs. Bloom

Keep Calm and Tech On

4th Grade "Computers as a Tool for Research and Communication and Collaboration"

Introduction and Review

- Introduction to the Computer and Chromebook Lab Rules and AUP
- Review of typing using [Typing Web's Intermediate lessons](#) (4-5 refresher lessons and 10 minutes warm ups at the beginning of classes). Discussion of proper finger placement and posture is reviewed.

Introduction to Edmodo and Google Drive and use of in the classroom.

The Internet as a tool for research:

- **Wading Through the Web via Read. Write. Think.**- Introductory PowerPoint, Venn Diagram and practice.
- **I Love New York State Project.** Students will select a city/town/village within New York State and plan a family vacation! For this project, they will:
 - Fill out a questionnaire asking general questions about their family and travel plans
 - Use the Internet to research a town/village/city to travel to in NYS
 - Google Docs- use as a tool to document their findings.
 - Microsoft Excel- create a vacation expense workbook

The Internet Safety:

- Students will learn about Cyberbullying via Brainpop Jr. video and take notes via Google Drive. Students will then work in groups to create a digital animation using PowToons on Cyberbullying and publish it to the Web.

The Internet as a tool for communication:

- [ePals](#). Students will create an account and connect with a preassigned classroom to have a digital ePal from around the world. Writing prompts will be given and students will be graded on the quality of his or her email.

The Internet as a tool for publishing and, well FUN!

- Students will learn the basics of coding Apps for Android and Tablet devices using [MIT App Developer](#). During this lesson students will understand what an App is and how their Apps look on various devices!

Fourth Grade Learning Standards covered via the above curriculum:

[ISTE NETS*S Standards Met](#)

❖ **Creativity and innovation**

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

- Apply existing knowledge to generate new ideas, products, or processes
- Create original works as a means of personal or group expression

❖ **Communication and collaboration**

Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

- Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
- Communicate information and ideas effectively to multiple audiences using a variety of media and formats
- Develop cultural understanding and global awareness by engaging with learners of other cultures
- Contribute to project teams to produce original works or solve problems

❖ **Research and information fluency**

Students apply digital tools to gather, evaluate, and use information.

- Plan strategies to guide inquiry
- Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media
- Evaluate and select information sources and digital tools based on the appropriateness to specific tasks
- Process data and report results

❖ **Critical thinking, problem solving, and decision making**

Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

- Identify and define authentic problems and significant questions for investigation
- Plan and manage activities to develop a solution or complete a project
- Collect and analyze data to identify solutions and/or make informed decisions
- Use multiple processes and diverse perspectives to explore alternative solutions

❖ **Digital citizenship**

Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

- Advocate and practice safe, legal, and responsible use of information and technology
- Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity
- Demonstrate personal responsibility for lifelong learning
- Exhibit leadership for digital citizenship

❖ **Technology operations and concepts**

Students demonstrate a sound understanding of technology concepts, systems, and operations.

- a. Understand and use technology systems
- b. Select and use applications effectively and productively
- d. Transfer current knowledge to learning of new technologies

Common Core Standards

"Students who are college and career ready employ technology thoughtfully to enhance their reading, writing, speaking, listening, and language use. They tailor their searches online to acquire useful information efficiently, and they integrate what they learn using technology with what they learn offline. They are familiar with the strengths and limitations of various technological tools and mediums and can select and use those best suited to their communication goals."

- RI.4.7 Interpret information presented visually, orally, or quantitatively (e.g. in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.
- W.4.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
 - ◆ CCSS.ELA-LITERACY.W.4.2.A- Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.
 - ◆ CCSS.ELA-LITERACY.W.4.2.B - Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.
 - ◆ CCSS.ELA-LITERACY.W.4.2.C- Link ideas within categories of information using words and phrases (e.g., another, for example, also, because).
 - ◆ CCSS.ELA-LITERACY.W.4.2.D Use precise language and domain-specific vocabulary to inform about or explain the topic.
 - ◆ CCSS.ELA-LITERACY.W.4.2.E- Provide a concluding statement or section related to the information or explanation presented.
- W.4.6 With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.
- W.4.8 Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.
- SL.4.2 Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation.



Queen Of Heaven

Roman Catholic Elementary School

K-8th Grade Computer Education

Mrs. Bloom

Grading Policy and Procedures

Most projects in computer class for fourth grade are spread over a few classes and require more time. For large projects, students will be graded at a halfway point to ensure proper comprehension of instructions/skills and to make certain that student success is at the forefront. They will then be re-assessed at the completion of the project.

Students are continuously evaluated based on the skills being addressed. Rubrics are used for grading in all aspects of my computer technology classes. Before submitting their project, students are required to “check off” their rubric as they complete their assignment.

Sample of Rubric:

Project Criteria	Did you meet it?	Score
The Powtoon Animation is error free and is well written?		_____/25
The Powtoon Animation addresses the problems of Cyberbullying that is easy to understand? (*Explain at least two problems)		_____/10
The Powtoon Animation explains what you can do you are a victim or witness a friend who is being Cyberbullied? (*Explain at least two ways)		_____/10

Grades are weighted accordingly:

Participation 10% Project Checkpoints 25% Skills Assessed 15% Major Projects 50%

No homework is required at the fourth grade level. Because of the importance of technology and making certain that fourth grade skills are acquired, the student may be asked to complete assignments at home/stay after to complete an assignment if they fall behind or do not complete an assignment on the due date. Students in fourth grade are encouraged to use the Typing Web account to practice their typing skills at home.



Queen Of Heaven

Roman Catholic Elementary School

K-8th Grade Computer Education

Mrs. Bloom

Code of Conduct

Respect³

(Respect to the 3rd Power)

- ✓ **Respect** and be courteous to all adults that enter the computer lab.
- ✓ **Respect** one another.
- ✓ **Respect** the technological equipment and furnishing in the computer lab.

In addition:

- ✓ *You will come prepared and ready to learn each and every computer class and make certain that all assignments are completed on time!!!!*
- ✓ *You will also abide by the computer Acceptable Use Policy.*

Your Rights & Responsibilities

You have the right to:

- *A safe learning environment
- *Make choices
- *Your own thoughts and ideas
- *Be treated fairly
- *Be yourself

You are responsible for:

- *Maintaining a safe learning environment
- *The consequences for your choices
- *Respecting others
- *Your own actions

Consequences if you chose to break a rule:

First Time: Name written on teacher's personal board and a warning will be given.

Second Time: One check after your name and I will speak with your homeroom teacher.

Third Time: A second check is placed after your name, I will speak with your homeroom teacher and a phone call will be placed at home.

Fourth Time: Third Check after your name, possible after school detention and a student discipline referral will be written and given to Mrs. Damico

Parents, please review with your child and sign below. Forms are due by your child's next computer class. Thank you.

I have read and understood Mrs. Bloom's Code of Conduct and Grading Policy

Parent Signature

Date

Parent Name

Student Signature

Date

Student Name and Grade