Students enrolled in computer classes at Queen of Heaven School will have a healthy balance of technology education between the traditional Computer Desktop Lab and Chromebook Lab.

**Kindergarten Computer Classes "Ready? Set. Go!"**

- Understand and learn about the rules of the Computer and Chromebook Lab, discussion of the QoH AUP
- Learn the basic parts of the computer hardware using worksheets, playing "Mrs. Bloom Says", Katie’s Computer and TechKnowledge Lesson 1
- Mouse control- left click, right click, navigating around the screen, click and drag and double click.

Lessons include:

- TechKnowledge Lesson 3
- Microsoft Paint
- ABC-Ya’s Alphabet Magnet
- Introduction to typing using ABC-Ya’s Keyboard Zoo
- Very basic intro to Internet Safety and Digital Citizenship using Web Wise Kids
- Learn the basic parts and how to navigate on the Internet through TechKnoweldge Lesson 49 and exploring educational sites.
- Introduction to Microsoft Word by practicing typing sight words and short sentences.
- KidPix- Introduction and What I learned in Kindergarten final project
- Learn though play- various topics will be explored throughout the year and Holidays will be celebrated!
1st Grade Computer Classes "Enhancing our Skills"

- Introduction to the Computer and Chromebook Lab and rules; discussion of the QofH AUP
- Revisit parts of the computer
  - PowerPoint Quiz as a whole class
  - Worksheet activity- matching the computer parts
  - Practice our mouse control and learn how to Mousercise and ABC-Ya's Build a House to develop our skills
- Begin learning basic typing skills, including finger placements using Typing with Katie
- Brief lessons on Internet Safety and Digital Citizenship using NetSmartz.org and ABC-Ya's Cyber Five lesson
- Learn how to open and close the Internet, and how to navigate between pages.
- Successfully draw a self-portrait using Microsoft Paint
- Microsoft Word- using our new typing skills, students will be asked to type basic words using the home-row keys and how to insert clip art
- Microsoft PowerPoint- students will be introduced to Microsoft PowerPoint and learn how to create a presentation consisting of 3 slides- topic TBD
- KidPix- students will learn how to create a very basic interactive story based on the Nursery Rhyme "The Itsy Bitsy Spider" and will present to the class
- Learn though play- various topics will be explored throughout the year and Holidays will be celebrated!

2nd Grade Computer Class "iLearn More Everyday!"

- Introduction to the Computer and Chromebook Lab and rules; discussion of the QofH AUP
- Review our mouse and keyboard skills using TechKnowledge Lesson 4
- Input and output devices: PowerPoint Presentation introduction, worksheets and ABC-Ya's Input and Output game
- Basic operations of the computer:
  - turn on and off
  - basic saving on the server
  - how to take care of the computer
- Internet Safety using iKeepsafe.org and the story of Faux Paw the Techno Cat. Online quiz about Internet Safety using Mrs. Bloom's Website.
- The Internet- understanding and typing URL's
  - TechKnowledge URL Interactive Game
  - URL Checklist Worksheet
Microsoft Accessories (brief one day lesson):
   ○ Calculator
   ○ Notepad
   ○ Paint

KidPix Software: "All About Me" story that includes recording voices and animation.

Microsoft Word- Learn the basics:
   ○ How to insert clip art
   ○ How to change text: color, size, font face, bold, italics, underline
   ○ How to create columns

Microsoft Excel- Classroom birthday charting. Students will create a chart and graph to see which month the most students were born in.

Microsoft Publisher- Holiday Poster

Microsoft PowerPoint- Create a presentation on what they learned about computers. Print and present.

Learn though play- various topics will be explored throughout the year and Holidays will be celebrated!

3rd Grade "Fine Tuning our Skills"

Introduction to the Computer and Chromebook Lab and rules; discussion of the QoH AUP

Review of the parts of the computer using Yasmin's Computer interactive game

Advanced Typing 10-15 lessons:
   ○ Correct finger placements for all keys on the keyboard
   ○ History, evolution and facts about typing and the keyboard
   ○ Use of Typing Web to log in and assess typing progress
   ○ Memorization of the keyboard through play (ABC-Ya Keyboard Challenge) and through worksheets.

The Internet:
   ○ Parts of the Internet
   ○ What is a browser?
   ○ How to preform a basic Google Search (topic TBD and is typically based on classroom needs)

Internet Safety and Digital Citizenship:
   ○ Digital Citizenship and Internet Safety PowerPoint with Interactive Quiz
   ○ Interactive educational game Webonauts by PBS Kids
   ○ Microsoft PowerPoint- 3-5 slides on Digital Citizenship and Internet Safety. Printed.

Brief Lesson in Microsoft Word- Using Microsoft Word to create a Valentine's Day letter. Students will learn how to:
   ○ insert clip art and place it properly within a body of text
   ○ add borders and change page color
   ○ insert shapes and word bubbles
basic and advanced text formatting
- Microsoft Excel- M&M Chart: learn about columns and rows, how to insert text, and charts.
- Microsoft Publisher- create a Queen of Heaven advertising brochure and business cards.
- "What is Faith?" Movie using Windows Movie Maker, Digital Camera and Picasa Photo Editor

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

- Introduction to the Computer and Chromebook Lab Rules and AUP
- Review of typing using Typing Web’s Intermediate lessons (4-5 lessons and 10 minutes warm ups at the beginning of classes)
- The Internet:
  - Use Google Beginner Lesson Plans and teacher created worksheets to learn how to conduct a productive search
  - Safety and Digital Citizenship. Students will conduct an Internet search about the top rules for proper Netiquette and will create a poster using Microsoft Publisher
  - Internet Safety quiz via Mrs. Bloom's Website
- ePals. Students will create an account and connect with a preassigned classroom to have a digital ePal from around the world.
- Saint Research Project. Students will select a saint and complete a Google Form to submit their chosen saint. Students will then:
  - Conduct research using the Internet and the skills previously learned to answer questions about their saint
  - Learn how to properly cite, and reword facts found from various Websites
  - Using the research that they have discovers, students will create an eBook digital story on their saint using ePubBud
- 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
  - Use the Internet to research a town/village/city to travel to in NYS
  - Microsoft Word- use as a tool to document their findings.
  - Microsoft Excel- create a vacation expense workbook
  - Microsoft Publisher- create a brochure about the history, culture and "what to do" about the location that they have selected
  - Microsoft PowerPoint- create a slideshow to teach their peers about their selected location within NYS.
5th Grade "Technology: Inside and Out"

- Introduction to the Computer and Chromebook Lab and AUP
- Refresher on typing using the advanced lessons of Typing Web as a warm up for the beginning of each class.
- Learn about the computer:
  - Using the GFC Online Learning tutorial 1: What is a Computer and GCF Online Learning Lesson 7: Inside the PC. Questions will be answered using Mrs. Bloom's Message Board
  - "Dissection of a Desktop Computer" Students will take a part a desktop computer case and photograph their findings
  - Create a collaborative visual Wiki about the parts of the computer dictionary using their photographed computer parts and the Internet to research the components (Kids-Online is a great resource!).
  - Quiz on parts of the computer using Mrs. Bloom's Website
- Webquest on Understanding the Computer: students will continue to understand the various components of the computer, such as Operating Systems, Bits and Bytes, data storage, etc. Research will be conducted as a team, then students will work both independently and as part of a team to create a:
  - PowerPoint Presentation outlining the information the group has researched to be taught to the remainder of the class
  - Microsoft Publisher brochure discussing the area of expertise their business is in.
- Technology Careers
  - Use the Internet to research a career in the technological field and complete a digital worksheet to answer guided questions
  - Use Microsoft Word to create a resume geared towards the desired position
- Understanding Plagiarism and Internet Copyright Law
  - Introduction PowerPoint and Worksheet
- Buying a Desktop Computer/laptop/tablet/netbook
  - understand what type of system will best suite their computing style
  - learn how to correctly purchase a type of computer for their own personal use
  - learn how to find the best prices for their computer
6th Grade "Learning the Internet through the Cloud"
As the world of technology evolves, it is just as important for school institutions to develop their lessons as well. For the following lessons, students will be using all applications in the cloud to submit their work and create presentations.

- Introduction to the Computer and Chromebook Lab and AUP
- Revisit typing by practicing advanced skills using Typing Web at the beginning of each class.
- Introduction to the Internet and World Wide Web via a Prezi Presentation- students will evaluate the components of the Internet and learn how the Internet and WWW are not the same term. Short online quiz given.
- WebQuest on the other components of the Internet. In this lesson students will work as part of a team to research, create a Prezi Presentation to teach their peers, create flashcards on Quizlet for their peers to study, and create a graded online quiz (which of course is approved by Mrs. Bloom)
- Cyber Bullying- students will watch videos and have discussions about the dangers of Cyber Bullying. Students will then create a whole-class collaborative video sending an important message to the rest of the school using Pixorial cloud video editing and publishing
- Learn the basics of HTML and how to create student Websites using Weebly
- Create and maintain a blog for Queen of Heaven School (password protected) using Blogger
- Message board and class Edmodo cite for participation and may be assigned as homework from time to time

7th Grade "QofH True Story: Microsoft Office"
Students in the 7th grade will embark on a year-long study of the Microsoft Office Suite. This study allows students to learn about the advanced features of the popular platform.

- Introduction to the Computer and Chromebook Lab and AUP
- Brief history about the Microsoft Office Products and creator, Bill Gates
- Discussion of shortcut keys

**Introduction to Microsoft Word 2010.** Discussion of various parts of the ribbon. Major project: Creating a School Newsletter in which students will learn how to make a new document, change margins, add text, change views, format text, add a border, save a document, add a break, add columns, check spelling, insert clip art, add a table, AutoFormat a table, add a bullet list, and print a document

**Introduction to Microsoft Excel 2010.** Discussion of various parts of the ribbon. Major project: Creating a life budget in which students will learn how to create a new worksheet, add text, change column widths multiple ways, format text and merge, create multiple formulas, create an AutoSum, use the fill handle, how to copy data including formulas, format data, save a worksheet, create a pie chart or graph, and print a worksheet
Introduction to Microsoft Publisher 2010. Discussion of various parts of Microsoft Access. Major projects: students will be assigned a position within a company and asked to make various publications using Microsoft Publisher

Introduction to Microsoft PowerPoint 2010. Discussion of various parts of Microsoft PowerPoint and the newest features. Major project: student will learn that Microsoft PowerPoint can be used for more than a presentation tool and will create an interactive story to be presented to Queen of Heaven's Kindergarten through second grade students.

Message Board and class Edmodo site for participation and may be assigned as homework as needed

Digital Citizenship Poster Contest. Students will learn about how to become a positive digital citizen and advertise their ideas using Microsoft Publisher

BONUS (if time permits) Digital Photography Study and photo editing using Google's Picasa

8th Grade "Multi-Media Mania"
During the 8th grade year students will further their skills by learning about the multi-media aspects of technology. In this course-long unit includes:

- Introduction to the Computer and Chromebook Lab rules and AUP
- Create an educational online learning game using either YoYoGames or Kodu Games or Sploder (product used TBD by teacher). The 8th grade students will determine an educational subject (math, english, spanish, art) and a theme (sports, shopping, school days, etc.) and use storyboards to plan their game design. Final products may be submitted into contests, and will be evaluated by peer and age appropriate volunteers
- Create a "My Life" video and a collaborative 8th grade graduation video. In this lesson students will learn how to scan, download and edit photos using Picasa photo editor. They will also learn how to edit music and record their voice.
- Create an advertisement in Adobe Flash. Skills acquired: Learn how to use vector drawing tools, how to use the timeline, masking, layers, scripting and animation
- Message Board and class Edmodo site for participation and may be assigned as homework as needed