**Curriculum**

**6th Grade Skills II**

**Course Overview**

The Skills course is designed to meet the needs of sixth grade students in transition at a time when more complex research, organizational, and language skills are required for academic success. Classes, which meet twice a week throughout the year, are structured to provide support as well as a form to teach the skills associated with time management, library research, computer skills, and test taking. Reinforcement and assessment of skills are carried out through material from core classes. All sixth grade students are assigned to this year-long course.

**Department Standards**

Expected Outcomes:

*ISTE Standards that we have adopted and use as our guidelines:*

1. Creativity and Innovation

2. Communication and Collaboration

3. Research and Information Fluency

4. Critical Thinking, Problem Solving, and Decision Making

5. Digital Citizenship

6. Technology Operations and Concepts

**Benchmarks**:

Course Benchmarks

1. The student will demonstrate proficiency Google Apps and LMS , prioritising workload and proper use of these environments

2. The student will demonstrate safe and ethical use of the Internet and network.

3. The student will demonstrate competency in using the operating system, learning platform, word processing program, spreadsheet program and website builder, movie-editing and collaboration techniques.

4. The student will critically examine the value of information available on the Internet

5. Students will demonstrate designing techniques by working on a house/monument design project

6. Students will demonstrate that they can create a simple website and how to apply logic using basic programming skills.

**Performance Indicators**

**Performance Indicators**

**First Quarter Performance Indicators**

The student will interpret and explain points in the Acceptable Use Policy (technology standards 3, 5)

The student will demonstrate network access, saving and retrieving files, navigating the desktop, identifying and using different digital file types, using a USB drive, using printers, using a web browser (technology standard 3,5)

Saving and sharing files in the cloud (technology standard 6)

The student will critique his or her own Internet and email safety and security.

The student will execute a series of activities on the learning platform and Google Education apps (technology standards (1-6)

The student will recognise and compare different forms of cyber-bullying (technology standard 5)

. The student will interpret personal safety issues on the Internet and how to keep personal information private (technology standard 3, 5)

**Second Quarter Performance Indicators**

The student will produce documents to demonstrate word processing competency (technology standards 4, 6)

Students will produce a document in either Google Sheets or Excel that requires the use of graphing and charts (technology standards 1,2,4,6)

Students will make a presentation using Google Slides and PowerPoint.

Learn basic photoshop skills (technology standards 1,4,6)

**Third Quarter Performance Indicators**

Students will produce an original promotional movie on a given topic

Students will convert the movie to a digital format ready for distribution

Students will design a house or monument in a 3D environment (techonology standards 1,4,6).

**Fourth Quarter Performance Indicators**

The student will build an online survey for others (technology standards 2,4)

Students will build a basic website using programming tools or Google Sites application (Technology standards 1,6}

**Assessments**

**Assessments**

**First Quarter Assessments and Common Assignments**

Regular checks on using the LMS and Google applications.

Soft assessment of computer competency

Cyberbullying quiz

Netiquette quiz

Soft assessment on file conversion and different operating systems.

**Second Quarter Assessments and Common Assignments**

Microsoft Word Assignment requiring tools & formatting.

Excel Spreadsheet requiring simple cell programming and graphing

Make a presentation on a given topic (priority is given to content).

Photograph and document editing project (priority is given to process).

**Third Quarter Assessments and Common Assignments**

Create a promotional video using iMovie.

Project: designing a house or monument

**Fourth Quarter Assessments and Common Assignments**

Creating an online survey using the the different form settings and data validation option.

Website Building using Google Sites

Simple website using basic programming skills.

**Core Topics**

**Core Topics**

**First Quarter Core Topics**

Acceptable Use Policies

Mac OSX Operating System

Using Chromebooks and Google Apps, Note-taking, Planning, and Collaborating.

Computer Terminology

Netiquette

Internet Safety: viruses, firewalls, backing-up, cyber-bullying, keeping personal information private, illegality of file sharing and computer hacking

**Second Quarter Core Topics**

Excel Spreadsheet - basic competencies

Basic presentation competency using Microsoft PowerPoint, Keynote and or Google slides.

Photoshop – learning to use the various tools, image manipulation, working with layers, masks, and text.

**Third Quarter Core Topics**

Google 3D (industrial design}

Movie editing – using various editing techniques (i.e. controlling audio levels, transitions, and titling) to complete a movie project.

Creating an original soundtrack

Creating a podcast

**Fourth Quarter Core Topics**

Basic HTML and Javascript Programming.

Google Forms competency.

**Specific Content**

**Specific Content**

**First Quarter Specific Content**

**Navigating the LMS interface**

**Creating an RSS feed from the LMS to Google Calendars**

**adding, deleting, viewing and downloading files from Google Drive**

**Sharing and collaboration on the Google Education Enviroment**

**converting and working with different files formats**

**Basic security information about the Internet and e-mail**

**Privacy concerns**

**E-mail etiquette**

**Social networks do’s and don’ts.**

**Online bullying and implications**

**Second Quarter Specific Content**

**Using layers**

**Smart objects**

**Using the quick selection tools**

**Working with brushes**

**Using the content-aware tools**

**resizing and adjusting images and documents**

**Adding images to presentations**

**adding audio and video files**

**timing presentations**

**using the notes feature in presentations**

**Creating transitions and animations**

**Changing slide backgrounds**

**Working with themes and templates**

**Using background images**

**automatic and manual functions in presentations**

**An overview of the similarities and differences of the various presentation application.**

**Working on a project using multiple applications.**

**Third Quarter Specific Content**

**Using transitions titles and effects**

**Working with preferences in iMovie**

**Understanding the events and timeline areas**

**Adding audio and elements to the timeline**

**Editing in the timeline**

**Working with trailers**

**Learning to use the storyboard functions.**

**Using keywords to organise the events area**

**Recording audio within the application**

**Converting the finished movie to digital formats ready for distribution**

**Converting the podcast or soundtrack to a suitable codec for use in their movies**

**Working with templates in presentations**

**Similarities and differences of the various presentation applications**

**Changing the themes and background of slides**

**Adding transitions, animations and effects to presentations**

**Using the layout menu**

**working with text**

**Using media**

**Working with tables and charts**

**re-arranging elements**

**rehearsing and timing their presentations**

**Automatic vs manual mode**

**Using speaker notes and mirroring**

**4th Quarter Specific Content**

**Headings and tags**

**Body head and title**

**Atributes**

**Bold, italics and emphasis**

**Semantic markup**

**Paragraphs**

**White space**

**Line breaks and horizontal rules**

**Introducing the Javascript console**

**Basics of Javascript syntax**

**Making a statement**

**Running your javascript commands**

**Resources**

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textbooks:

Photoshop Classroom in a Book by Adobe Creative Team (Pearson, 2014).

Javascript for Kids, John Wiley, 2015.

CyberSmart Worksheets,

Apple IOS devices.

Android devices

Digital cameras

Video cameras

Various web-based sources:

<https://www.commonsensemedia.org/cyberbullying>

<https://www.commonsensemedia.org/privacy-and-internet-safety>

<http://www.informationisbeautiful.net>

https://www.ted.com

<http://www.projectpixelpress.com/floors/>

<http://www.photosforclass.com>

http://thenextweb.com