IMPLEMENTATION AND ASSESSMENT

The faculty — individual teachers and teams, working independently or with the school’s computer teachers — will design activities allowing students to meet the benchmarks identified in this framework. Student progress toward meeting these core proficiencies will be evaluated systematically, as an assessment of an individual student’s preparation for high school as well as an ongoing assessment of the Middle School program.
Scarsdale Middle School Technology Framework
Grade Level Proficiencies...

Core Skills in **Bold**

**Grade Six**

1. Students demonstrate basic keyboard skills. Students can use spell check and are proficient with formatting tools. They can work with headers, footers, and columns, page setup and printing options. They are able to add images and set text wrap as needed.
2. Students are introduced to both Powerpoint and Keynote. Curriculum projects are created using text, images, video, audio and transitions.
3. Students create simple tables. They can enter data, including simple calculations. They are able to sort and filter tables and create a simple chart.
4. Not Applicable (Databases)
5. Students create a simple Web page using iWeb.
6. Not Applicable (Photoshop)
7. Students can use Inspiration for creating a basic graphic organizer and outline. They understand basic tools for adding, formatting, and arranging content. They are able to link to content on Internet.
8. Students learn the basics of iMovie in 6th grade technology class. Skills covered include editing, adding stills, transitions and effects.
9. Students learn the basics of Garageband for composing music using loops and USB keyboards.
10. Students learn the basics or creating a podcast using Garageband.
11. Students will participate in at least one video conference.
12. Students will work with school librarians to learn how to use search engines and online databases to gather information for classroom projects.
13. Students understand how to search for information found on a blog or wiki. Understand how to navigate a blog. Understand the need to validate information found on a Web 2.0 site.
14. Students understand basic Google Earth concepts: search, places, layers. They understand basic control room, tilt… Search (fly to) destinations. Use existing layers. Students learn how to search Google Maps. They understand content available in “My Maps.”
15. Students will be introduced to the proper use of still digital cameras, video cameras, tripods and audio recording equipment.
16. Students will use probes and other tools as instructed by the teacher.
17. Students will be introduced to the Scarsdale Middle School network. Students will learn about saving, creating folders, and copying files.
18. Students demonstrate an age-appropriate understanding of safe, legal and responsible technology use, including following the school’s acceptable use policy as well as expectations related to academic integrity and fair use.

**Grade Seven**

1. Students demonstrate appropriate development with Grade Six skills. In addition, students can format tabs and margins. They understand how to use templates to design special projects (Word, Pages). They are able to insert automatically updating elements, breaks, and pagination. They can add tables and charts.
2. Students are introduced to advanced features of presentation software including animation, hyperlinks and charting.
3. Students create increasingly advanced tables, including basic functions. They are able to format more complex charts.
4. Students understand basic database concepts (record, field, sort, search). They are able to search an online database and add data to an existing database.
5. Students are introduced to Dreamweaver and basic Web design.
6. Students understand basic Photoshop tools, including selection tools, eraser, and type tool. They understand foreground/background, ill/stroke. They can change image size/resolution. They can apply filters as well as the concepts of layers and history.
7. Students demonstrate increasing understanding of how good design helps with understanding. They create graphic organizers and outlines linking to content on the Internet and, if appropriate, in other files. Students understand options for printing.
8. Students use iMovie for curriculum projects.
9. Students create original music compositions using Garageband.
10. Students create original enhanced podcasts supporting the curriculum.
11. Students will participate in at least two video conferences.
12. Students will use online resources to support their research for classroom projects.
13. Students understand how to contribute content to Web 2.0 sites (with appropriate supervision).
14. Students understand how to find additional content for Google Earth and Maps. They understand options for printing, saving, and copying content to another application and how to create and share mapping content.
15. Students will use digital cameras to support curriculum projects.
16. Students will use probes and other tools as instructed by the teacher.
17. Students will learn to manage group shared services.
18. Students demonstrate an age-appropriate understanding of safe, legal and responsible technology use, including following the school’s acceptable use policy as well as expectations related to academic integrity and fair use.

**Grade Eight**

1. Students create sophisticated print documents independently. They understand options for printing special projects and for sharing and publishing documents.
2. Students create sophisticated Keynote or Powerpoint presentations.
3. Students are able to use a spreadsheet independently as a tool for formatting, organization, or analysis. They understand options for printing, sharing, and publishing. They understand how to import data from other sources, including the Internet.
4. Students are able to create and enter data in a simple database, including simple calculations. Their are able to search and sort tables and import data from a variety of sources, including the Internet.
5. Students create Web pages using either Dreamweaver or iWeb. Web pages include multimedia elements such as podcasts.
6. Students develop proficiency with additional tools in Photoshop. They understand how to apply transformations. They develop increasingly sophisticated skills working with layers and filters. They use tools like Photoshop in publishing, presentation, and video projects.
7. Students use design software independently for organization and to convey information. They understand options for sharing and publishing information, including on the Internet, in presentations, and as objects in publications. Use design software (Illustrator) for original designs.
8. Students are introduced to Final Cut Express in 8th grade technology class. Curriculum projects are created using iMovie or Final Cut Express.
9. Students create original music compositions to accompany digital video projects.
10. Students create original enhanced podcasts in support of the curriculum.
11. Students will participate at in at least two videoconferences.
12. Students will use online resources to support research for classroom projects. Resources will be documented in proper bibliographic form.
13. Be able to use Web 2.0 sites independently (as appropriate).
15. Students will use digital equipment to support curriculum projects.
16. Students will use probes and other tools as instructed by the teacher. Students understand how to graph data.
17. Students will be expected to understand the full range of network operations necessary to manage their files.
18. Students demonstrate an age-appropriate understanding of safe, legal and responsible technology use, including following the school’s acceptable use policy as well as expectations related to academic integrity and fair use.