



**21st Century Skills Projects and Technology Integration Projects** contain everything you will need to create a fun and interesting technology project! The example projects demonstrated in the tutorial movies can be *easily modified to fit most any topic or grade level*. Ideas for adapting or extending the example projects are given in the Project Activity Guide that is available in the downloadable resource packet for each project.

## FINE ARTS

### **Cubism Isn't Square**   **Image Editing/Web Design**   Ages: 11-14 yrs   23 Tutorials   **Project Type: Tech Integration**

For this project, students will bring an image into Photoshop Elements and by using special effects, layer styles, and rotation/translation tools they will modify the image to look like a Cubism-style painting. The final image will be exported as a JPG. Students will then create a webpage about Cubism in Contribute and add text and their PSE image to the webpage.

#### **Available for:**

- Contribute CS3/Photoshop Elements 6 - PC
- Contribute CS3/Photoshop Elements 4 - Mac

### **Feelin' the Way I Do**   **Multimedia**   Ages: 11-14 yrs   22 Tutorials   **Project Type: Tech Integration**

Students will be creating a video that combines music and images to convey a specific emotion. To begin, images will be brought into Photoshop Elements and edited, using basic PSE tools, to create the final images used in the video slideshow. These images will be added to the video timeline, along with a musical sound track. Students will learn how to add title slides, change slide durations, and add transitions to their video before exporting the finished product.

#### **Available for:**

- Photoshop Elements 6/Premiere Elements 4 - PC
- iMovie HD 6/Photoshop Elements 4 - Mac

### **Go Green with SketchUp**   **Visual Modeling**   Ages: 11-14 yrs   28 Tutorials   **Project Type: Tech Integration**

Students will be using the tools in a design (CAD) program to construct a 3D model of a "green" house. They will learn how to use tools to build to scale, rotate and view their model from different angles, as well as add components, textures, and finishing touches to their structure.

#### **Available for:**

- Google SketchUp 6 - Mac
- Google SketchUp 6 - PC

**Grand Staff Sound & Music** Ages: 11-14 yrs 15 Tutorials **Project Type: Tech Integration**

Create a Grand Staff in GarageBand 3. Learn several different methods for entering notes in the application, how to edit your entries, and how to playback the final score.

**Available for:**

- GarageBand 3 - Mac

**Name that Artist! Database** Ages: 11-14 yrs 21 Tutorials **Project Type: Tech Integration**

Create an Access database for collecting information about famous artists. Students will learn how to create a simple database structure that includes text fields, drop-down lists, and checkboxes. They'll learn how to enter and search their data. They will also learn how to create riddles that can be solved by sorting and filtering the data.

**Available for:**

- Access 2003 - PC
- FileMaker Pro 8 - Mac
- FileMaker Pro 9 - PC

**Note Values Sound & Music** Ages: 11-14 yrs 19 Tutorials **Project Type: Tech Integration**

Learn about basic note values by creating drum tracks in GarageBand. You'll learn to use the notation editor to enter different note values into separate tracks, and then playback and compare tracks. You'll also learn how to change note assignments and be exposed to the Kodály Method rhythm syllables.

**Available for:**

- GarageBand 3 - Mac

**Painting Light & Shadow Presentation** Ages: 11-14 yrs 20 Tutorials **Project Type: Tech Integration**

Create a presentation about French Impressionism. Add text and images related to the 3 great Impressionists: Renoir, Manet, and Monet. Add animation to the slides. Set up and view the slide show.

**Available for:**

- PowerPoint 2003 - PC
- PowerPoint 2004 - Mac
- PowerPoint 2007 - PC
- PowerPoint 2008 - Mac

## **Video Creation   Multimedia**   Ages: 14-18 yrs   22 Tutorials   **Project Type: Tech Integration**

We will learn how to use basic photo-editing tools to prepare images for a movie. Our images will be combined with a music track to create a short video presentation. We will learn how to export our finished movie in a format that can be shared with others.

### **Available for:**

- Photoshop Elements 8/Premiere Elements 8 - PC
- iMovie `09/iPhoto `09 - Mac

## **What's So Special About SFX?   Image Editing**   Ages: 14-18 yrs   28 Tutorials   **Project Type: Tech Integration**

Use an image editing application to learn how to apply and modify six different special effects to create unique images right within the application. You'll even learn how to create an exploding planet from an imported JPEG!

### **Available for:**

- Photoshop Elements 3 - Mac
- Photoshop Elements 3 - PC
- PhotoShop Elements 6 - Mac

## **Wild for Warhol   Image Editing**   Ages: 11-14 yrs   22 Tutorials   **Project Type: Tech Integration**

Learn how to modify an image in Photoshop Elements using a variety of filters and effects. The process will involve learning how to use a number of different selection methods and working with layers. The end product will be an image that contains 4 different versions of the original image.

### **Available for:**

- Photoshop Elements 3 - Mac
- Photoshop Elements 5 - PC

## HEALTH

### **Fat? or Fit?**   **Multimedia**   Ages: 8-11 yrs   21 Tutorials   **Project Type: Tech Integration**

Create a two-page flyer in Comic Life (Mac only) about the benefits of good fitness. The comic will contain images added from a folder or from iPhoto. You'll learn how to create speech balloons, add special text effects, and how to edit the comic panes on the page.

#### **Available for:**

- Comic Life - Mac

### **Food Diary**   **Graphic Organizer**   Ages: 11-14 yrs   22 Tutorials   **Project Type: Tech Integration**

Students will create a diagram in Inspiration to track food items by meal and food group. They will learn how to use the RapidFire tool to quickly add symbols, as well as how to search the Symbol Palette for pictures to represent their food groups. They will learn how to change the default symbols and fonts to visually organize items within different groups, and then preview and print their file.

#### **Available for:**

- Inspiration 8 - Mac
- Inspiration 8 - PC

### **Food Groupies**   **Graphic Organizer**   Ages: 8-11 yrs   13 Tutorials   **Project Type: Tech Integration**

Students will create a graphic organizer that contains Super Groupers for each of the Food Groups. They will learn how to add symbols, connect them to the main idea, and change the image associated with the symbols. They will choose images that represent different food items from the Library collections to add to each of the food groups in their diagram.

#### **Available for:**

- Kidspiration 2 - Mac

### **Smoker's Lung**   **Image Editing**   Ages: 8-11 yrs   9 Tutorials   **Project Type: Tech Integration**

Beginning with an image of healthy lungs, students will use a variety of tools in ImageBlender to edit the original image, making it look like the lungs of a smoker.

#### **Available for:**

- ImageBlender 3 - Mac
- ImageBlender 3 - PC

**What's for Breakfast? Spreadsheet** Ages: 8-11 yrs 26 Tutorials **Project Type: 21st Century Skills**

This project promotes health literacy and supports awareness of global health issues, through the exploration of how to make sound nutritional choices about the foods we eat for breakfast. We will be creating a spreadsheet to track and compare three breakfast menus and compare the nutritional value of different choices through the use of graphs and charts.

**Available for:**

- Excel 2007 - PC
- Excel 2008 - Mac

## LANGUAGE ARTS

### **A Day with Beauford Cat**   **Multimedia**   Ages: 4-8 yrs   16 Tutorials   **Project Type: Tech Integration**

Create a photo album storybook about a day in the life of a charming cat. We'll begin by importing digital images from the computer's hard disk into photo-editing software. You'll be introduced to the digital editing tools and shown how to arrange your photos in the photo album.

**Available for:**

- Photoshop Album 2 - PC
- iPhoto 5 - Mac

### **Building a Bibliography**   **Word Processing**   Ages: 14-18 yrs   17 Tutorials   **Project Type: Tech Integration**

We will be learning how to create a Works Cited page, following the MLA Style Guide (7th edition). The final word processing document depicts references for multiple sources, including books, journals, newspapers, and Web sites.

**Available for:**

- Word 2007 - PC
- Word 2008 - Mac

### **Character Comics**   **Multimedia**   Ages: 11-14 yrs   19 Tutorials   **Project Type: Tech Integration**

Create a comic page illustrating an environmental awareness or character development topic in Comic Life (Mac). Students can do their own storyboarding and take their own digital images to use in their comic pages.

**Available for:**

- Comic Life - Mac

### **Color Web Book**   **Multimedia**   Ages: 8-11 yrs   14 Tutorials   **Project Type: Tech Integration**

Students will be creating pages in Comic Life that illustrate examples of things that are a specific color. Captions and comic lettering will be used to label each page and images that represent each color will be added to the comic panels. The finished pages will be exported as webpages.

**Available for:**

- Comic Life - Mac
- Comic Life - PC

## **Creating a Mail Merge Document** Spreadsheet/Word Processing Ages: 14-18 yrs 18 Tutorials **Project Type: Tech Integration**

Use data that is in an Excel spreadsheet to create mail merge documents in Word. Viewers will learn how to set up the main Word document and use either an Excel spreadsheet or another Word document as the data source for generating a form letter.

### **Available for:**

- Excel 2008/Word 2008

## **Creating a Newsletter** Word Processing/Page Layout Ages: 14-18 yrs 21 Tutorials **Project Type: Tech Integration**

Learners will use templates found in a word processing application to create a holiday newsletter that incorporates text, decorative elements, and photos. They will learn how to modify the template, add and remove hyperlinks, save their document in a variety of formats, and print the finished product.

### **Available for:**

- Word 2010 - PC

## **Creating a Photo Book** Multimedia Ages: 14-18 yrs 20 Tutorials **Project Type: Tech Integration**

We will be creating a photo book, combining images and text, as one way to present information gained through topic research ... in this case, local wildflowers. Photo books can be used for simply sharing photos, but can also tell a story about an important event or experience, or document a specified topic.

### **Available for:**

- Photoshop Elements 8 - PC
- iPhoto '09 - Mac

## **Creating an Acrostic Poem for Interactive** Multimedia Ages: 11-14 yrs 13 Tutorials **Project Type: Tech Integration**

Let's create an acrostic poem! Learn the basics of incorporating images and text, using tools available in an interactive whiteboard application. The teacher might complete some of the process, and then have students use the completed elements on the slides to build acrostic poems, or the students could complete the entire activity. This project is a great way for students to demonstrate their knowledge about a particular subject.

### **Available for:**

- ActivInspire 1.4 (Mac)

## **Extra, Extra!** Word Processing/Page Layout Ages: 11-14 yrs 20 Tutorials **Project Type: Tech Integration**

Suitable for younger grades, this project involves creating a template that can be used for a class newsletter or mock newspaper front page. Students will learn how to add WordArt for the newspaper title, create & link text boxes, add clip art, and add & format story text.

### **Available for:**

- Word 2003 - PC

- Word 2004 - Mac
- Appleworks 6 - Mac
- Word 2007 - PC
- Word 2008 - Mac

**Fact or Fiction? Graphic Organizer**    Ages: 11-14 yrs    20 Tutorials    **Project Type: Tech Integration**

Students will use tools in Inspiration to document details from a story in two different diagrams, one for facts from the story and one for elements of fiction. Students will use color & images to categorize elements in each diagram and use the outline view to organize their thoughts.

**Available for:**

- Inspiration 8 - PC
- Inspiration 8 - Mac

**Flexible Flyer Word Processing/Page Layout**    Ages: 11-14 yrs    12 Tutorials    **Project Type: Tech Integration**

Create a flyer or announcement about a special event. This project will introduce you to some of the page layout features in Microsoft Word, such as how to add and edit text boxes, as well as how to add and edit images and shapes.

**Available for:**

- Word 2003 - PC
- Word 2004 - Mac

**For Sale! - Part 1 Graphic Organizer**    Ages: 11-14 yrs    11 Tutorials    **Project Type: Tech Integration**

Brainstorm about the assets of a school building and record these assets in a graphic organizer diagram. Determine the top 6 assets and add details about each one. This is Part 1 of a 3-part activity. Each part can be done as a standalone activity, or strung together to create an "advertisement" for selling the school building.

**Available for:**

- Inspiration 7 - PC
- Inspiration 7 - Mac

**For Sale! - Part 2 Multimedia**    Ages: 11-14 yrs    12 Tutorials    **Project Type: Tech Integration**

Create a storyboard outlining the shots that will be used in an "advertisement" for selling the school building. This is Part 2 of a 3-part activity. Each part can be done as a standalone activity, or strung together to create an "advertisement" for selling the school building.

**Available for:**

- Storyboard Pro - PC

- Storyboard Pro - Mac

### **For Sale! - Part 3    Multimedia**    Ages: 11-14 yrs    15 Tutorials    **Project Type: Tech Integration**

Create a movie about selling a school building. Import still images, create transitions, and create title frames. This is Part 3 of a 3-part activity. Each part can be done as a standalone activity, or strung together to create an "advertisement" for selling the school building.

#### **Available for:**

- Windows Movie Maker 2 - PC
- iMovie HD 6 - Mac

### **Make My Day    Graphic Organizer**    Ages: 11-14 yrs    14 Tutorials    **Project Type: Tech Integration**

Create a graphic organizer diagram that can act as a TO DO list for things that need to be done, or events that will happen, on a specific day. Link items in the order in which they should be completed. Use the checklist feature to create check-off boxes.

#### **Available for:**

- Inspiration 8 - PC

### **Memory Game    Spreadsheet/Word Processing/Page Layout**    Ages: 11-14 yrs    13 Tutorials    **Project Type: Tech Integration**

Create a simple data-pair list in Excel. Create a Word document that has placeholders for the data, in a label format. The data can be merged into the Word document to create matching pair cards that can be used to play a "Concentration" style game. Game instructions are given.

#### **Available for:**

- Word 2003/Excel 2003 - PC
- Word 2004/Excel 2004 - Mac
- Excel 2007/Word 2007 - PC

### **Myth & Lore We Share    Word Processing/Presentation**    Ages: 14-18 yrs    24 Tutorials    **Project Type: 21st Century Skills**

This project examines common themes and archetypes found in folklore and myth, as one way to illustrate cross-cultural similarities and promote global awareness. We will document research that explores common themes found in folk stories or mythologies and prepare a presentation for sharing our research.

#### **Available for:**

- Word 2008/PowerPoint 2008 - Mac

**News Flash! Word Processing** Ages: 11-14 yrs 20 Tutorials **Project Type: Tech Integration**

Create a fictional front page of a newspaper in a word-processing application. Use layout tools to add text boxes and images to the page. Preview and print the finished document.

**Available for:**

- Word 2004 - Mac
- Word 2003 - PC
- Word 2007 - PC

**Picture Perfect Alphabet Multimedia** Ages: 8-11 yrs 15 Tutorials **Project Type: Tech Integration**

Create an alphabet picture book in Comic Life. Students will learn how to import pictures and add them to the comic panels, plus add captions and other elements to the page. If each student in the class creates a page for a different letter of the alphabet, the pages can be combined into a complete book!

**Available for:**

- Comic Life - Mac
- Comic Life - PC

**Picture Perfect Slideshow Multimedia** Ages: 8-11 yrs 18 Tutorials **Project Type: Tech Integration**

Use images created for the Picture Perfect Pages Lesson Accelerator from Comic Life, or use your own image files to create a slideshow using iPhoto. Learn how to set up transitions, special effects, and add a music soundtrack to your slideshow. You'll also learn how to export the slideshow as a QuickTime movie!

**Available for:**

- iPhoto 5/Comic Life - Mac
- Comic Life/PhotoStory 3 - PC

**Planet Earth is Like ... Graphic Organizer** Ages: 11-14 yrs 18 Tutorials **Project Type: Tech Integration**

Use graphic organizer software to build simile sentences about the planet Earth. Brainstorm words to use, link words together, change symbols to represent categories of words.

**Available for:**

- Inspiration 7 - PC
- Inspiration 7 - Mac

**Plot Master**   **Presentation**   Ages: 11-14 yrs   21 Tutorials   **Project Type: Tech Integration**

Create a non-linear presentation that presents a story with several different branches. The viewer can choose which branch to follow in the story, so each person may have a different conclusion when they view the story slides.

**Available for:**

- PowerPoint 2004 - Mac
- PowerPoint 2003 - PC
- PowerPoint 2007 - PC
- PowerPoint 2008 - Mac

**Podcast Creation**   **Multimedia**   Ages: 14-18 yrs   26 Tutorials   **Project Type: Tech Integration**

Take poetry to a new level! We will produce a podcast of ourselves narrating a piece of poetry and combine the narration with images and a music track, before exporting the finished podcast in a format that can be shared with others.

**Available for:**

- GarageBand '09 - Mac
- Windows Movie Maker 2.6 - PC

**Podcast Poem**   **Multimedia**   Ages: 11-14 yrs   27 Tutorials   **Project Type: Tech Integration**

Take poetry to a new level! Students will use an audio application to produce a podcast of themselves narrating a piece of poetry. They will create a music track to accompany their poem, and also add images they have found to illustrate their poem. They may elect to use an image capture utility on their computer to create their images. Finally, they will export their podcast for an MP3 player.

**Available for:**

- Garageband '08 - Mac

**Presenting the Poets!**   **Presentation**   Ages: 11-14 yrs   19 Tutorials   **Project Type: Tech Integration**

Use presentation software to create poetry combined with images & audio! Students will learn how to use the basic tools in their presentation application to layout text and images on their slides. They will also add an audio clip to the presentation. Finally, they will learn how to add transitions between slides, set up their slideshow, and play the slideshow for others.

**Available for:**

- Powerpoint 2007 - PC
- Powerpoint 2008 - Mac

**Reading ABC's Presentation** Ages: 11-14 yrs 15 Tutorials **Project Type: Tech Integration**

Create a presentation that has a slide for each letter of the alphabet. Add words that begin with the letter and clip art from the Clip Art Gallery. Record someone reading the text on the slide, so that viewers can hear the slide text read to them, if they want to.

**Available for:**

- PowerPoint 2004 - Mac
- PowerPoint 2002 - PC
- PowerPoint 2007 - PC
- PowerPoint 2008 - Mac

**Rock Magic Multimedia** Ages: 11-14 yrs 23 Tutorials **Project Type: Tech Integration**

Students will use an image & video applications to illustrate & animate a short poem about counting rocks. They will use selection tools & layer effects to create images for the opening title & rolling credits of their video. Students will learn how to copy, paste, and arrange images in a video to build stop-action animation from still images. They will add voice narration to their movie & synchronize the images to the audio. Finally, they will export the finished video in a format that can be shared with others.

**Available for:**

- Photoshop Elements 6/Premiere Elements 4 - PC
- Photoshop Elements 4/iMovie '06 - Mac

**Shape Poem Multimedia** Ages: 8-11 yrs 16 Tutorials **Project Type: Tech Integration**

Students will create an animated poem using the basic tools found in Kid Pix Deluxe. They will begin by creating a series of pages that contain images and text, which will act as a flip-book when the pages are presented as a slideshow. They'll record their own voice narrating the poem. Finally, they will save the slideshow as a QuickTime movie that can be shared with others.

**Available for:**

- Kid Pix Deluxe 3 - Mac

**Taking Care of Business Word Processing** Ages: 11-14 yrs 14 Tutorials **Project Type: Tech Integration**

Students will be guided through the process of creating a standard business letter, using the tools and features of a word processing program.

**Available for:**

- Word 2007 - PC

## **Tour My School   Multimedia**   Ages: 11-14 yrs   23 Tutorials   **Project Type: Tech Integration**

Create a video tour of your school! Learn how to bring photos into a multimedia application and combine them with narration and music. You'll also learn how to add transitions between your images and add special effects to your movie.

### **Available for:**

- Photo Story 3 - PC
- iMovie HD 6/iPhoto 6 - Mac

## **Vocab Review   Graphic Organizer**   Ages: 11-14 yrs   15 Tutorials   **Project Type: Tech Integration**

Create a graphic organizer template that can be used for reviewing weekly vocabulary words. The template will include the word, a definition, and a sentence that uses the word. You'll learn how to add and edit symbols.

### **Available for:**

- Inspiration 8 - PC
- Inspiration 8 - Mac

## **What's the Moral?   Multimedia**   Ages: 11-14 yrs   29 Tutorials   **Project Type: Tech Integration**

Students will create an interactive whiteboard lesson to illustrate a fable. They will import text and images, as well as use images from a resource bank. At the end, they draw the moral and add a question about what else can be deduced from the story. The lesson can then be used to tell the story to classmates or to others, working through the possible answers to the last question.

### **Available for:**

- ActivStudio 3 PC

## **Who Do You Believe?   Graphic Organizer**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Create a graphic organizer "web" that illustrates a well known story from the perspectives of the different story characters. Learn how to link elements of the story and provide information in support of your own view as to which character is telling the "truth" about what happened.

### **Available for:**

- Inspiration 8 - PC
- Inspiration 8 - Mac

## **Word Search   Word Processing**   Ages: 11-14 yrs   14 Tutorials   **Project Type: Tech Integration**

Create a subject-specific word puzzle, using tables in Microsoft Word. You'll learn how to create and format table cells and text within the cells.

### **Available for:**

- Word 2003 - PC

- Word 2004 - Mac
- Word 2007 - PC

## LIFE & CAREER SKILLS

### **Budgeting Basics 101**   **Database/Spreadsheet**   Ages: 14-18 yrs   27 Tutorials   **Project Type: Tech Integration**

Learn how to build budgets on your mobile device! Track expenses and income, and use visual tools to help realize your financial dreams. This project introduces concepts of basic budgeting and makes use of applications on a mobile device, such as an iPod Touch or iPhone to keep up-to-date records on where your money is coming from and where it is going to.

**Available for:**

- Money for iPod touch/iPhone/Notes for iPod touch/iPhone

### **Building a Bibliography**   **Word Processing**   Ages: 14-18 yrs   17 Tutorials   **Project Type: Tech Integration**

We will be learning how to create a Works Cited page, following the MLA Style Guide (7th edition). The final word processing document depicts references for multiple sources, including books, journals, newspapers, and Web sites.

**Available for:**

- Word 2007 - PC
- Word 2008 - Mac

### **CD Collection**   **Database**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Create a database to keep track of a CD collection. Enter fields and data for the CD title, band name, band members, genre, etc. Create a radio button set for rating the CD. Sort and display in different ways.

**Available for:**

- Filemaker Pro 8 - PC
- Filemaker Pro 8 - Mac

### **Class Schedule**   **Spreadsheet**   Ages: 14-18 yrs   18 Tutorials   **Project Type: Tech Integration**

Students will work individually to create a weekly view of their class schedule by subject. They will learn basic spreadsheet entry, as well as how to format fonts, rows & columns, and add cell borders & shading. They can use the example project as a foundation to create their own personalized schedule based on their current academic needs.

**Available for:**

- Excel 2008 - Mac

## **Creating a Resumé**   **Word Processing**   Ages: 14-18 yrs   20 Tutorials   **Project Type: Tech Integration**

We will create a general purpose resumé in a word processing program, learning how to format text for a pleasing visual representation, as well as discussing why certain elements of a resumé are important.

### **Available for:**

- Word 2007 - PC
- Word 2008 - Mac

## **Creating an Online Calendar**   **Web Application**   Ages: 14-18 yrs   14 Tutorials   **Project Type: Tech Integration**

This project will use freely available online calendaring tools for practicing the important life skills of time management and organization. Students will create personal calendars that contain important events, learn how to edit & manage events, as well as share their calendars for collaboration with others.

### **Available for:**

- Google Calendar - Mac/PC

## **Cyberbully? No Way, Not Me**   **Web Application**   Ages: 11-14 yrs   27 Tutorials   **Project Type: 21st Century Skills**

This project promotes an awareness of digital citizenship, specifically related to "cyberbullying." We will be creating a blog (Web log) of student experiences and discussions about this topic, using freely available Web tools.

### **Available for:**

- Edublogs - Mac/PC

## **Internet Safety & Social Networking**   **Web Application**   Ages: 14-18 yrs   29 Tutorials   **Project Type: 21st Century Skills**

This project promotes communication and collaboration, as well as digital citizenship, through the exploration of issues related to social networking. The example project addresses concerns about maintaining personal safety and privacy while using online communication tools, such as a social networking Web site.

### **Available for:**

- Ning Social Networks - Mac/PC

## **Make My Day**   **Graphic Organizer**   Ages: 11-14 yrs   14 Tutorials   **Project Type: Tech Integration**

Create a graphic organizer diagram that can act as a TO DO list for things that need to be done, or events that will happen, on a specific day. Link items in the order in which they should be completed. Use the checklist feature to create check-off boxes.

### **Available for:**

- Inspiration 8 - Mac

**Resume Creation**   **Word Processing**   Ages: 11-14 yrs   15 Tutorials   **Project Type: Tech Integration**

Create a properly formatted resumé in a word-processing program. Learn how to enter and format text.

**Available for:**

- Word 2007 - PC

**School Days Calendar**   **Word Processing/Page Layout**   Ages: 11-14 yrs   11 Tutorials   **Project Type: Tech Integration**

Use the calendar template in Word to create a classroom calendar. Import pictures and add text to the template to personalize the calendar.

**Available for:**

- Word 2003 - PC
- Word 2004 - Mac
- Word 2007 - PC

**Time of Day**   **Multimedia**   Ages: 4-8 yrs   15 Tutorials   **Project Type: Tech Integration**

Students will create a series of pages in Kid Pix Deluxe that contain the image of a clock that indicates different times of the day. Students will learn how to add stamps and text to their pages that illustrate and describe what they do at the time of day shown on the clock face.

**Available for:**

- Kid Pix Deluxe 3 - Mac

# MATHEMATICS

## **Average Kid Spreadsheet** Ages: 11-14 yrs 19 Tutorials **Project Type: Tech Integration**

Students will be recording data for measurements of height, length of arm, leg, foot, hand, torso, and head in a spreadsheet. They will then enter formulas to calculate the average for each type of measurement and will also graph the results. Students will calculate the number of students that have measurements greater than or less than the average for each criteria.

### **Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac
- Excel 2007 - PC

## **Candy Coated Fractions Spreadsheet** Ages: 8-11 yrs 28 Tutorials **Project Type: Tech Integration**

Students will learn about fractions & percentages by recording data in a spreadsheet & creating a pie chart. They will be introduced to cells, as well as how to enter and format cell data. They will add a formula to the spreadsheet that will automatically convert a fraction to percent and update the pie chart.

### **Available for:**

- Appleworks 6 - Mac

## **Circle Relationships Visual Modeling** Ages: 11-14 yrs 26 Tutorials **Project Type: Tech Integration**

Explore the relationships between circumference, radius, and area of a circle, using the interactive features available in Geometer's Sketchpad.

### **Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

## **Fraction Action Multimedia** Ages: 11-14 yrs 17 Tutorials **Project Type: Tech Integration**

Create a stop-animation movie using frames captured from a digital movie camera or stills imported from a digital still camera. Add titles and use special editing techniques to create your final animation about ordering fractions.

### **Available for:**

- iStopMotion - Mac

## **Fractions Frenzy**   **Spreadsheet**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Use Excel to create an interactive tool to help add fractions. Students/Teachers can create this interactive spreadsheet and then use it to challenge their classmates/students to solve a variety of problems involving the addition of fractions. The tool provides students with feedback at each stage and also offers suggestions and hints to help them if they get stuck. The interactive workbook can be easily adapted to solve other types of problems, too, such as subtraction problems.

### **Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac
- Excel 2007 - PC

## **Fun with Fibonacci!**   **Visual Modeling**   Ages: 11-14 yrs   23 Tutorials   **Project Type: Tech Integration**

Use Geometer's Sketchpad to explore the Fibonacci series and the Golden Triangle. Students will learn how to animate their sketches, add images to a sketch, and how to create buttons that navigate between pages in the sketch file.

### **Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

## **Geometric Web**   **Web Design**   Ages: 11-14 yrs   18 Tutorials   **Project Type: Tech Integration**

Students will learn how to create a web site in iWeb to present information and images of different geometric shapes. They will learn how to create pages, add text & images, use the Shape Inspector, link pages, test their links, and publish their website to a folder.

### **Available for:**

- iWeb - Mac

## **Geometry Crossword**   **Spreadsheet**   Ages: 11-14 yrs   13 Tutorials   **Project Type: Tech Integration**

Create a crossword puzzle using Excel. Add interactive features, such as pop-up windows that contain the word clues and conditional formatting that let's you know if the letters you are entering are right or wrong. Save the crossword as a template and share it with others. If each person creates a crossword puzzle using a different set of words, the class can create a crossword puzzle book!

### **Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac
- Excel 2007 - PC
- Excel 2008 - Mac

## **How Big is a Foot? Spreadsheet** Ages: 8-11 yrs 19 Tutorials **Project Type: Tech Integration**

Using an adaptation of the story, "How Big is a Foot?," by Rolf Myller, students will learn how to create a spreadsheet to record the actual length of their feet and how many of their feet are needed to measure the length of a given object. Each student will add calculations to the spreadsheet to compute a standard unit of measurement for themselves, which should yield the same final measurement of the object as that computed by his/her classmates.

### **Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac
- Excel 2007 - PC

## **Interactive Multiplication Multimedia** Ages: 11-14 yrs 24 Tutorials **Project Type: Tech Integration**

Learn the basics of incorporating shapes, images and text, using tools available in an interactive whiteboard application. This project also incorporates the use of student-response system templates for introducing additional interactivity. By involving students in the creation of question slides, this project is a great way for students to demonstrate their knowledge about a particular subject.

### **Available for:**

- ActivInspire 1.4 (Mac)

## **Math in Motion Multimedia** Ages: 11-14 yrs 18 Tutorials **Project Type: Tech Integration**

This project involves creating a stop-action animation video that illustrates a mathematical concept. Students will organize a set of images, record voice-over narration, add a sound track, titles, transitions, and ending credits. They'll export their movie to share with others. By substituting different images for the video, this project can be easily adapted for other subject areas.

### **Available for:**

- iMovie '08 - Mac

## **Math Measurement Multimedia** Ages: 8-11 yrs 12 Tutorials **Project Type: Tech Integration**

Students will create a visual representation of mathematical measurement concepts related to length, height, size, weight, and temperature by using stamps and drawing tools to represent the concepts of shorter/longer, taller/shorter, smaller/larger, heavier/lighter, and hotter/colder. They will complete related sentences and express the concept verbally by recording a voice narration.

### **Available for:**

- Kid Pix Deluxe 4 - PC

**Max Box Spreadsheet** Ages: 11-14 yrs 20 Tutorials **Project Type: Tech Integration**

For the Max-Box investigation, students will create an Excel spreadsheet to investigate the maximum volume of an open-top box that can be made from a rectangular sheet of metal when squares are cut from each corner of the sheet. The volume varies as the length of the squares vary. This project also considers how to achieve the most accurate results with the tools that are used.

**Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac

**Parthenon Project Visual Modeling** Ages: 11-14 yrs 22 Tutorials **Project Type: Tech Integration**

Students will learn the apply concepts of dimension, measurement, and symmetry, while learning how to use basic tools in a visual modeling application. This project guides them through the process of creating a building that resembles the Parthenon. The concepts & skills that are learned could be easily adapted & applied to a variety of other subjects and/or models.

**Available for:**

- Google SketchUp 6 - PC

**Parts of a Circle Spreadsheet** Ages: 11-14 yrs 17 Tutorials **Project Type: Tech Integration**

Create an Excel spreadsheet that contains an image of a circle with boxes for filling in the different parts (i.e. radius, circumference, diameter, etc.). A word list of possible answers will be created and the entry boxes will be formatted to provide feedback about correct or incorrect responses.

**Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac

**Polygon Playground Image Editing** Ages: 8-11 yrs 23 Tutorials **Project Type: Tech Integration**

Use the Draw features in Appleworks to create polygons with differing numbers of sides. Students will learn how to use the Polygon tool, set the number of sides for their polygon, and how to set and edit the attributes of their shapes.

**Available for:**

- Appleworks 6 - Mac

**Probability Pictogram**   **Word Processing/Spreadsheet**   Ages: 8-11 yrs   27 Tutorials   **Project Type: Tech Integration**

Although we will be using a word processor, this is a great activity for students to complete as an introduction to spreadsheet concepts. Students will create a table for recording, pictorially, the results they get when they cast dice. This project can be easily adapted for other subject areas or grade/skill levels, by substituting appropriate data elements to include in the table.

**Available for:**

- Textease Studio 6 - PC

**Pythagoras Project**   **Visual Modeling**   Ages: 11-14 yrs   16 Tutorials   **Project Type: Tech Integration**

Build a visual model illustrating how to prove Pythagoras' Theorem. Create a right-angle triangle with squares on each side. Create an animation button to animate your sketch. Use the calculator to find the areas of the squares.

**Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

**Quadratic Quandary**   **Visual Modeling**   Ages: 11-14 yrs   15 Tutorials   **Project Type: Tech Integration**

Students will use Geometer's Sketchpad to perform some analysis on the graph of a quadratic function by setting up parameters and varying them to see how this affects the shape of the graph. They will learn how to define the coordinate system, define and plot functions, create an animation button and animate the parameters. Although this project is fairly restricted to the subject of mathematics it can be easily adapted to analyze any type of mathematical function and its corresponding graph.

**Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

**Rubrics Realized**   **Word Processing**   Ages: 11-14 yrs   14 Tutorials   **Project Type: Tech Integration**

Create a Word template document that can be used for building assessment rubrics. Use a 6 x 6 table to add assessment criteria and scoring information. Students can use their rubrics to self-assessment homework and other assignments.

**Available for:**

- Word 2004 - Mac
- Word 2003 - PC
- Word 2007 - PC

## **Shape the World**   **Multimedia**   Ages: 11-14 yrs   22 Tutorials   **Project Type: Tech Integration**

Students collect photos showing examples of different geometric shapes as found in nature. By using layer effects and the shapes tools, they will create "spotlight" and shape graphics to superimpose over the original photo. The images will be brought into a video editing application to create a movie about the shapes they have found.

### **Available for:**

- Photoshop Elements 6/Premiere Elements 4 - PC

## **Smart Money**   **Graphic Organizer**   Ages: 8-11 yrs   14 Tutorials   **Project Type: Tech Integration**

Students will create a graphic organizer that explores the relationships of different subdivisions of a currency system, such as between quarters and dollars. This is an interactive project that is appropriate for young learners who are just beginning to learn about their own currency system, or those who are wanting to learn about currency relationships in a system that is unfamiliar to them.

### **Available for:**

- Kidspiration 2 - PC
- Kidspiration 2 - Mac

## **Snowflake Symmetry**   **Visual Modeling**   Ages: 14-18 yrs   21 Tutorials   **Project Type: Tech Integration**

Students will use tools in Geometer's Sketchpad to explore symmetrical patterns by creating their own snowflakes. They will learn how to create and divide segments, map points, iterate shapes, map interiors, change background and interior colors, and rotate edges to create an entire snowflake. Finally, they will make a custom animation button and create their very own snowstorm!

### **Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

## **Tackling Tessellations**   **Multimedia**   Ages: 14-18 yrs   20 Tutorials   **Project Type: Tech Integration**

This project guides students through creating and exploring tessellated shapes in an image-editing application. Students will work with basic tools, layers, & effects to prepare images for export. They will then import their artwork into a video timeline, apply effects and transitions, and choose and modify a theme to create a unique movie displaying their tessellation.

### **Available for:**

- Photoshop Elements 6/Premiere Elements 4 - PC
- Photoshop Elements 7/Premiere Elements 7 - PC

## **Tantalizing Tangrams**   **Visual Modeling**   Ages: 14-18 yrs   17 Tutorials   **Project Type: Tech Integration**

Students will use a variety of tools in Geometer's Sketchpad to create a set of interactive tangrams that they can use to create puzzles and challenge their friends to solve! The project involves defining a coordinate system, creating squares, triangles, and interiors. Adding a hide/show button and linking to a Web page from within the GS document.

### **Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

## **Terrifying Tessellations**   **Visual Modeling**   Ages: 14-18 yrs   18 Tutorials   **Project Type: Tech Integration**

Learn how to use some basic tools in Geometer's Sketchpad to create a reptilean tessellation pattern! Students will learn how to use the points and segments tools to create a hexagonal background pattern. A reptile shape will be created over the hexagon grid and the shape will be repeated and rotated to create interlocking shapes, which can then be translated to create the tessellations.

### **Available for:**

- Geometer's Sketchpad 4 - PC
- Geometer's Sketchpad 4 - Mac

## **What Does Sound Look Like?**   **Sound & Music**   Ages: 14-18 yrs   11 Tutorials   **Project Type: Tech Integration**

Use a free sound editing application (Audacity) to explore what sound looks like and learn how to edit and manipulate sound files. This is a great application to use in preparing podcasts for the Web.

### **Available for:**

- Audacity 1.1.1 - Mac
- Audacity 1.1.1 - PC

## **What's for Breakfast?**   **Spreadsheet**   Ages: 8-11 yrs   26 Tutorials   **Project Type: 21st Century Skills**

This project promotes health literacy and supports awareness of global health issues, through the exploration of how to make sound nutritional choices about the foods we eat for breakfast. We will be creating a spreadsheet to track and compare three breakfast menus and compare the nutritional value of different choices through the use of graphs and charts.

### **Available for:**

- Excel 2007 - PC
- Excel 2008 - Mac

**Wiki Math Mindmaps**   **Web Application**   Ages: 14-18 yrs   23 Tutorials   **Project Type: 21st Century Skills**

This project a number of 21st century skills through the creation of a wiki about math terms. We will use the wiki format to create a visual dictionary of math terms and concepts through visual representation and text. Students will be able to edit, evaluate, and comment on entries that others have made.

**Available for:**

- Wikispaces - Mac/PC

## **A Frog's Life: Sequence It! Presentation** Ages: 4-8 yrs 19 Tutorials **Project Type: Tech Integration**

Students will learn how to use the basic tools in a presentation application to create slides illustrating the life cycle of a frog. They will learn how to set up a slide format and duplicate their slide, then add images and text. The slide sorter will be used to jumble up the slides. Students can then practice putting the slides back in the proper sequence.

### **Available for:**

- PowerPoint 2003 - PC
- PowerPoint 2008 - Mac

## **Amphibian Web Image Editing** Ages: 8-11 yrs 18 Tutorials **Project Type: Tech Integration**

Students will be creating a Web slideshow about amphibians, using image editing software and then exporting their images as Web pages. They'll learn how to use basic tools in the software application to place images and text. These skills can be easily adapted to create similar projects about other subjects.

### **Available for:**

- ImageBlender 3 - Mac

## **Animal Life Multimedia** Ages: 11-14 yrs 11 Tutorials **Project Type: Tech Integration**

Create a one-page poster about an animal and its habitat using a comic book format! Students will learn how to add photos to a comic template, how to add and format speech bubbles to contain information about their animal, and how to print and export their finished comic page. A really fun way to share information about an animal that they have researched.

### **Available for:**

- Comic Life - Mac
- Comic Life - PC

## **Animal Playing Cards Database** Ages: 11-14 yrs 20 Tutorials **Project Type: Tech Integration**

Create a database to hold information about different types of animals. Create a layout that allows the user to print out "playing cards." Add images. Sort & display in different ways.

### **Available for:**

- Appleworks 6 - Mac
- Access 2003 - PC

**Awesome Animation Image Editing** Ages: 14-18 yrs 19 Tutorials **Project Type: Tech Integration**

Create an animation using many different layers in Photoshop Elements. Learn how to add transitions and timings to the different frames within the image file. Save the final PSE document as an animated GIF that can be viewed in your Web browser.

**Available for:**

- Photoshop Elements 3 - Mac
- Photoshop Elements 5 - PC

**"Cloze" It with a Word Word Processing** Ages: 11-14 yrs 22 Tutorials **Project Type: Tech Integration**

Students will learn how to build a "cloze" activity using the form fields in a word processing document. For our example project, they will be adding drop-down lists for completing a paragraph about light and color. Cloze exercises can be a fun way for students to check their understanding of subject matter they have studied in class.

**Available for:**

- Word 2003 - PC

**Collaborating to Build a Slideshow Web Application** Ages: 14-18 yrs 22 Tutorials **Project Type: Tech Integration**

Students will be using online tools to collaborate on a presentation about climate change and global warming. They will use a shared word processing document to collect information, and then divide up the work for creating an online slide presentation they can share on the Internet.

**Available for:**

- Google Docs - Mac/PC

**Comic Science Multimedia** Ages: 11-14 yrs 21 Tutorials **Project Type: 21st Century Skills**

This project provides students with the opportunity to demonstrate their understanding of a concept in a creative way. They will use a comic book format to communicate the steps involved in applying the scientific method toward problem resolution.

**Available for:**

- Comic Life - PC

**Creating an Acrostic Poem for Interactive Multimedia** Ages: 11-14 yrs 13 Tutorials **Project Type: Tech Integration**

Let's create an acrostic poem! Learn the basics of incorporating images and text, using tools available in an interactive whiteboard application. The teacher might complete some of the process, and then have students use the completed elements on the slides to build acrostic poems, or the students could complete the entire activity. This project is a great way for students to demonstrate their knowledge about a particular subject.

**Available for:**

- ActivInspire 1.4 (Mac)

## **Creating an Online Spreadsheet**   **Spreadsheet**   Ages: 14-18 yrs   22 Tutorials   **Project Type: Tech Integration**

Students will learn how to use an Internet-based spreadsheet application for collecting, comparing, and collaborating on data collection. For our example project, students will be documenting their use of consumable products, but the focus of the project could be easily adapted to fit any topic or subject area.

### **Available for:**

- Google Docs - Mac/PC

## **Escape from the Rainforest**   **Word Processing/Page Layout**   Ages: 11-14 yrs   23 Tutorials   **Project Type: Tech Integration**

Use Microsoft Word as a graphic organizer to collect information about an animal that has escaped from the rainforest, and then create a "Wanted" poster about the animal.

### **Available for:**

- Word 2003 - PC
- Word 2004 - Mac
- Word 2007 - PC
- Word 2008 - Mac

## **Little Books**   **Word Processing/Page Layout**   Ages: 11-14 yrs   15 Tutorials   **Project Type: Tech Integration**

Use a Word template to create a little 8-page book that requires no staples. Add text and images to the template, and learn how to flow text automatically from one text box to another. Directions are included for how to fold the paper to create the finished book.

### **Available for:**

- Word 2004 - Mac
- Word 2002 - PC
- Word 2007 - PC

## **Longitude & Latitude**   **Web Application**   Ages: 8-11 yrs   18 Tutorials   **Project Type: Tech Integration**

Students will use the dynamic tools available in Google Earth to explore the use of latitude and longitude as location indicators. They will set some preferences in Google Earth, and then "fly" to specific locations. They will learn how to mark their locations and create an animated tour of the places they have visited on the Earth.

### **Available for:**

- Google Earth 4 - Mac

## **Meet My Mammal Presentation** Ages: 11-14 yrs 33 Tutorials **Project Type: Tech Integration**

Create a slide presentation about an animal. Include information slides with graphics and text. Create a reference slide with hyperlinks to the information used for the presentation. Set up and view the slide show.

### **Available for:**

- PowerPoint 2004 - Mac
- StarOffice Impress 7 - PC
- PowerPoint 2003 - PC
- PowerPoint 2007 - PC
- PowerPoint 2008 - Mac

## **Penguin Facts Multimedia** Ages: 8-11 yrs 17 Tutorials **Project Type: Tech Integration**

Use many of the tools in KidPix to create a poster about penguins. We'll modify a background template and add a penguin. Then we'll add some text that gives some facts about this interesting bird. Finally, we'll save the file as a JPG image that can be shared with others and also print our penguin!

### **Available for:**

- Kid Pix Deluxe 3 - Mac

## **Plant Growth Data Database** Ages: 11-14 yrs 21 Tutorials **Project Type: Tech Integration**

Students will learn how to create and manipulate data in an InspireData database. They'll toggle between Table View and Plot View as they enter and then analyze their data. They will create multiple plot types that illustrate trends and outcomes. Finally, students will capture slides of each of the plot types and create a slideshow about their data. This project can be extended to have students gather data through local surveys or an InspireData e-survey.

### **Available for:**

- InspireData 1.5 - Mac
- InspireData 1.5 - PC

## **Quest for Damsels & Dragons Web Design** Ages: 11-14 yrs 33 Tutorials **Project Type: Tech Integration**

Students will begin by creating a PDF document in Adobe Acrobat 8 from a source file that contains questions they might answer while undertaking a Webquest. They'll learn how to format text, add images and graphic elements, and save their file. After completing the PDF, they will use Contribute to build webpages for their Webquest. The PDF file will be linked to a webpage as a downloadable resource.

### **Available for:**

- Contribute CS3/Acrobat 8 - PC
- Contribute CS3/Acrobat 8 - Mac

**Recycle Poster**   **Multimedia**   Ages: 8-11 yrs   11 Tutorials   **Project Type: Tech Integration**

Create a poster to encourage others to recycle! Students will learn how to use basic drawing tools in the software application to create a public service announcement poster. This project easily adapts to different subjects & ability levels.

**Available for:**

- Kid Pix Deluxe 3 - Mac

**Saturn Flip**   **Multimedia**   Ages: 8-11 yrs   12 Tutorials   **Project Type: Tech Integration**

Create an ACTIVprimary 2 flipchart about the planet Saturn. Learn how to use the draw tools and the editing tools to build flipchart pages, and use the camera tool to capture an image on a Web page that can be used in the flipchart. You'll also learn how to add an interactive assessment component to the end of your presentation.

**Available for:**

- ACTIVprimary 2 - Mac

**Seasons Slideshow**   **Multimedia**   Ages: 8-11 yrs   17 Tutorials   **Project Type: Tech Integration**

Students will create a set of pages in Kid Pix that illustrate the four seasons of the year. They will learn how to create a background, add objects to their pages, and put together a slideshow with voice narration. This project introduces students to many of the basic tools and utilities in the Kid Pix application, and the basic concepts can be easily adapted to other projects where combining animated images and sound is desired for an effective presentation.

**Available for:**

- Kid Pix Deluxe 3 - Mac
- Kid Pix Deluxe 4 - PC

**Shadows of the Day**   **Visual Modeling**   Ages: 8-11 yrs   15 Tutorials   **Project Type: Tech Integration**

For this project, students will be exploring how shadows move throughout the day, while learning how to use the basic tools in a visual modeling application. The software allows the user to create an animation that can be shared with others. The concepts & skills learned in this Lesson Accelerator can be easily adapted to other subjects and/or grade levels.

**Available for:**

- Google SketchUp 6 - PC

## **The 4 Seasons**   **Graphic Organizer**   Ages: 8-11 yrs   14 Tutorials   **Project Type: Tech Integration**

Create a graphic organizer about the 4 seasons. Each season will be set up as a Super Grouper category. Students drag & drop labels below a picture of each season and then use the symbol libraries to drag pictures into each category to represent things that happen or activities that occur in each season. Students will use words from a word bank to compose a sentence about each season.

### **Available for:**

- Kidspiration 2 - PC
- Kidspiration 2 - Mac

## **Tracking & Organizing Web Posts**   **Web Application**   Ages: 11-14 yrs   23 Tutorials   **Project Type: Tech Integration**

Keeping track of the latest breaking news about current events can be difficult. For this project, students will learn how to use the tools available in the free, web-based application, Google Reader, to find and track news "feeds" about a topic they are researching.

### **Available for:**

- Goggle Reader - Both

## **Tracking Your Topic**   **Web Application**   Ages: 11-14 yrs   17 Tutorials   **Project Type: Tech Integration**

Keeping track of the latest breaking news about current events can be difficult. For this project, students will learn how to use the tools available in the free, web-based application, Google Reader, to find and track news "feeds" about a topic they are researching.

### **Available for:**

- Google Reader - Mac/PC

## **Wanted - Space!**   **Multimedia**   Ages: 8-11 yrs   11 Tutorials   **Project Type: Tech Integration**

Create a Wanted poster for a planet! Students will learn how to use the basic tools in Comic Life to present information & graphics they have gathered in their topic research. Our example project presents information about a planet in the style of a Wild West wanted poster. Students will learn how to print and export their finished comic page.

### **Available for:**

- Comic Life - Mac

## **Weather or Not**   **Web Design**   Ages: 11-14 yrs   24 Tutorials   **Project Type: Tech Integration**

Students will begin by creating a PDF quiz form in Adobe Acrobat that contains questions about cloud types. They'll learn how to format text, add different types of responses (checkboxes, radio buttons, etc.), graphic elements, and save their PDF. They will use Contribute to create webpages about cloud types and link their PDF quiz as a downloadable resource.

### **Available for:**

- Contribute CS3/Acrobat 8 - PC

- Contribute CS3/Acrobat 8 - Mac

## SOCIAL STUDIES

### **3D Dreams**   **Visual Modeling**   Ages: 14-18 yrs   31 Tutorials   **Project Type: Tech Integration**

Visual modeling software can help students grasp concepts of perspective, volume, time, & space. For this project, they will learn how to use tools in a modeling application to create their dream room - a living space complete with furniture, big-screen TV, and surround-sound speakers! Some experience with the application is helpful, but not required.

#### **Available for:**

- Google SketchUp 6 - Mac
- Google SketchUp 6 - PC

### **About Me**   **Image Editing**   Ages: 11-14 yrs   25 Tutorials   **Project Type: Tech Integration**

Create a collage of images, including photographs imported from your computer's hard disk or graphics downloaded from the Web, that say something about who you are. You'll learn how to use the different editing tools and make use of layers, special effects, and filters.

#### **Available for:**

- Photoshop Elements 5 - PC
- Photoshop Elements 4 - Mac

### **Blog Revolution**   **Visual Modeling**   Ages: 11-14 yrs   22 Tutorials   **Project Type: Tech Integration**

Blogging has become an interesting way for people to express their opinions and share information across the Internet. For this project, students will create a blog using free Internet tools. They will assume the persona of a lady-in-waiting in Marie Antoinette's court, who is reporting on events occurring during the French Revolution.

#### **Available for:**

- Goggle Blogger - Mac/PC

### **Building a Blog**   **Web Application**   Ages: 14-18 yrs   22 Tutorials   **Project Type: Tech Integration**

Blogging has become an interesting way for people to express their opinions and share information across the Internet. For this project, students will create a blog using free Internet tools. They will assume the persona of a lady-in-waiting in Marie Antoinette's court, who is reporting on events occurring during the French Revolution.

#### **Available for:**

- Goggle Blogger - Mac/PC

**Business of Empire Word Processing** Ages: 11-14 yrs 17 Tutorials **Project Type: Tech Integration**

Students will learn how to use text and graphic tools in a word-processing application to create a business card layout. They will create a fictional business card for Napoleon, drawing on information they have gathered about this historical figure. This project is easily adapted to other historical people, or for the student themselves.

**Available for:**

- Word 2007 - PC

**Comanche Communique Word Processing/Page Layout** Ages: 11-14 yrs 18 Tutorials **Project Type: Tech Integration**

Set up a three-fold brochure in Microsoft Word. Format text and images within the document. Use WordArt to add column titles and special images.

**Available for:**

- Word 2003 - PC
- Word 2004 - Mac

**Econ Game Presentation** Ages: 11-14 yrs 24 Tutorials **Project Type: Tech Integration**

Create a presentation that is an interactive quiz game. Slides contain questions and multiple-choice answers. The viewer clicks on their choice of an answer and is directed to either an Incorrect or Correct response page.

**Available for:**

- PowerPoint 2003 - PC
- PowerPoint 2004 - Mac

**Egypt A-Z Multimedia** Ages: 8-11 yrs 19 Tutorials **Project Type: Tech Integration**

Create images that represent each of the letters of the Egyptian alphabet, while learning how to use the different draw tools in your software program. Combine your images into a slideshow.

**Available for:**

- Kid Pix Deluxe 4 - PC
- Kid Pix Deluxe 4 - Mac

## **Family Connections Presentation**    Ages: 11-14 yrs    23 Tutorials    **Project Type: Tech Integration**

Create a slideshow presentation about your family. The first slide will contain a "family tree" with icons representing each member of the family. Clicking on the person's icon will bring the viewer to a slide about that family member. We'll learn how to create and link slides, as well as set up the slideshow.

### **Available for:**

- PowerPoint 2007 - PC
- PowerPoint 2008 - Mac

## **Famous People Database/Word Processing**    Ages: 11-14 yrs    15 Tutorials    **Project Type: Tech Integration**

Create a simple database to hold information about famous Americans. Create a word-processing document that contains placeholders for the database fields. Merge the data to create Certificates of Achievement for each person in the database.

### **Available for:**

- Access 2003/Word 2003 - PC
- Appleworks 6 - Mac

## **Fantasy Map Multimedia**    Ages: 8-11 yrs    11 Tutorials    **Project Type: Tech Integration**

Students will learn how to use the tools in KidPix Deluxe, while creating a map of their own fantasy world. Some of the tools they will use include the wacky paintbrush, the stamp tool, the text tool, and the compass.

### **Available for:**

- Kid Pix Deluxe 3 - Mac
- Kid Pix Deluxe 4 - PC

## **Food Around the World Graphic Organizer**    Ages: 8-11 yrs    11 Tutorials    **Project Type: Tech Integration**

This project is especially well-suited for students in primary grades, those just learning how to use graphic organizers, or as first exposure to a number of different foreign languages. Students will create Super Grouper containers for symbols that represent different foods. Each Super Grouper will contain the same food symbols, but text will be added that has the food name in a different language. Our example illustrates Super Groupers for the English, French, Spanish, and German food names.

### **Available for:**

- Kidspiration 2 - Mac

## **Hello from Hawaii**   **Multimedia**   Ages: 8-11 yrs   13 Tutorials   **Project Type: Tech Integration**

Students will be working with multimedia software to create a postcard highlighting reasons to visit Hawaii. Students will change the page format, add a page template and change the style sheet. They will add an images and add comic lettering. Students will use caption boxes to add facts about Hawaii to the postcard. Finally, they will save, export and print their postcard.

### **Available for:**

- Comic Life - Mac

## **If I Had a Million**   **Spreadsheet**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Create a spreadsheet to show how you would spend a million dollars (pounds, Euros). You will research items and their costs and enter at least 3 items in each of these categories: Car, Clothing, Electronics, Games/Sports, Food, Books/Magazines, Furniture, Charity/Donations. You will learn how to enter formulas to calculate the total of all the categories and also to count down how much money you have remaining. Finally, a chart will be created to display the percentage spent on each category.

### **Available for:**

- Excel 2004 - Mac
- Excel 2003 - PC
- Excel 2007 - PC
- Excel 2008 - Mac

## **Internet Safety - Be Aware**   **Multimedia**   Ages: 11-14 yrs   11 Tutorials   **Project Type: Tech Integration**

Students will use multimedia software to create a PSA about Internet safety practices. The poster will incorporate text and graphics to present information about their topic.

### **Available for:**

- Comic Life - Mac
- Comic Life - PC
- Photoshop Elements 6 - PC
- Photoshop Elements 6 - Mac
- Word 2007 - PC
- Word 2008 - Mac

**Legislative Branch at Work**   **Graphic Organizer**   Ages: 11-14 yrs   16 Tutorials   **Project Type: Tech Integration**

Create a graphic organizer that compares and contrasts information about a type of governmental structure, such as the U.S. Congress or the U.K. Parliament. Students will learn how to modify an existing template, add topics and subtopics, and edit symbols.

**Available for:**

- Inspiration 8 - PC
- Inspiration 8 - Mac

**Magazine Cover**   **Web Application**   Ages: 11-14 yrs   18 Tutorials   **Project Type: Tech Integration**

Combine several images into one to create a fictional magazine cover. Learn several different ways for selecting parts of an image. Add text and border elements to complete the magazine cover.

**Available for:**

- Photoshop Elements 4 - Mac
- Photoshop Elements 4 - PC

**Media Moments**   **Spreadsheet**   Ages: 11-14 yrs   19 Tutorials   **Project Type: Tech Integration**

Create a spreadsheet that contains data about the use of different media types (i.e. television, radio, etc.) Enter data about how much time is spent with each type. Create graphs that illustrate the relationships between different types.

**Available for:**

- Excel 2003 - PC
- Excel 2004 - Mac
- Excel 2007 - PC

**Myth & Lore We Share**   **Word Processing/Presentation**   Ages: 14-18 yrs   24 Tutorials   **Project Type: 21st Century Skills**

This project examines common themes and archetypes found in folklore and myth, as one way to illustrate cross-cultural similarities and promote global awareness. We will document research that explores common themes found in folk stories or mythologies and prepare a presentation for sharing our research.

**Available for:**

- Word 2008/PowerPoint 2008 - Mac

## **Natural Wonders of Australia**   **Web Browser**   Ages: 11-14 yrs   10 Tutorials   **Project Type: Tech Integration**

Learn how to use different search techniques to find information about the natural wonders of Australia. We'll explore question-based, category, and keyword searches, as well as discuss the pros and cons of meta-search engines.

### **Available for:**

- Internet Explorer 8 - PC

## **Organizing w/Word Notebook Layout**   **Word Processing**   Ages: 11-14 yrs   19 Tutorials   **Project Type: Tech Integration**

Student will use a special layout in their word processor to organize information. For our example project, this will include class notes, a "To-Do" list, and a grocery list. The layout provides access to tools for adding text, freeform drawings, and audio notes. Students will learn how to format, print, and export the information they add to their "notebook." Easily adapted to other subjects.

### **Available for:**

- Word 2004 - Mac

## **Our Pets**   **Database**   Ages: 4-8 yrs   17 Tutorials   **Project Type: Tech Integration**

Students will use a built-in template to create a database about pets owned by their family and friends or their classmates. They will learn how to add, edit, and delete records. Once they have entered data, they will also learn how to sort, apply a simple filter, and find records in their database. Finally, they will format & print a report.

### **Available for:**

- Excel 2003/MaxData - PC
- Appleworks 6 - Mac

## **Quiz Capital Cities**   **Web Browser**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Students will be using an online quiz application to build quiz sets for the purpose of studying and memorizing information. The example project will use the capital cities of 15 European countries. The students can conduct exercises, take tests, and play games to help them study.

### **Available for:**

- Quizlet - Mac/PC

## **Spreadsheets: 3D Pie & Area Charts (Media**   **Spreadsheet**   Ages: 14-18 yrs   19 Tutorials   **Project Type: Tech Integration**

Create a spreadsheet that contains data about the use of different media types (i.e. television, radio, etc.) Enter data about how much time is spent with each type. Create graphs that illustrate the relationships between different types.

### **Available for:**

- Excel 2008 - Mac

**Sweden Slideshow Presentation** Ages: 11-14 yrs 14 Tutorials **Project Type: Tech Integration**

Learn how to use the basic tools in a presentation application by completing an example slideshow using information gathered about the country of Sweden. Students will learn how to combine images and text to produce a presentation that demonstrates what they have learned about their topic.

**Available for:**

- Appleworks 6 - Mac

**Sweden - Words & Pictures Word Processing/Page Layout** Ages: 11-14 yrs 14 Tutorials **Project Type: Tech Integration**

Learn how to combine text and images in a word processing document to create a poster about a country. Students will learn how to add text boxes and format text, as well as how to import photos and arrange them in their document.

**Available for:**

- Appleworks 6 - Mac
- Word 2004 - Mac

**Time of War Spreadsheet** Ages: 11-14 yrs 21 Tutorials **Project Type: Tech Integration**

This project presents a rather unusual way to use a spreadsheet application. Students will use the spreadsheet grid to build a timeline about a specific event in history. In our example, the timeline will plot events that occurred during World War I. Students will learn how to use some of the graphic tools available, as well as enter & format text.

**Available for:**

- Excel 2007 - PC

**Venn Diagram: Comparing Economies Word Processing** Ages: 11-14 yrs 19 Tutorials **Project Type: Tech Integration**

Students will be using graphic and text tools in their word-processing program to create a Venn diagram that compares and contrasts Socialism and Capitalism. This project is easily adapted for any compare and contrast exercise.

**Available for:**

- Word 2007 - PC

**Water Works Web Application** Ages: 8-11 yrs 20 Tutorials **Project Type: 21st Century Skills**

This project promotes an awareness of the global issues related to water use, while introducing technology tools that can be used for learning geography and mapping skills. We will be using the interactive and dynamic Google™ Earth software, while exploring economic, political, and environmental inter-dependencies of water use on both a local and global scale.

**Available for:**

- Google Earth - Mac
- Google Earth - PC

**Wonder Wander Web Browser** Ages: 11-14 yrs 10 Tutorials **Project Type: Tech Integration**

Learn how to use different search techniques to find information about the 7 Wonders of the Ancient World, using a Web browser. Explore how the different types of searches return different types of information about a topic.

**Available for:**

- Internet Explorer 7 - PC
- Safari 2 - Mac

### **Art Crawl**   **Word Processing/Web Browser**   Ages: 11-14 yrs   20 Tutorials   **Project Type: Tech Integration**

Create a scavenger hunt in Microsoft Word. The project includes learning how to search websites for object that meet certain criteria, and how to organize favorites/bookmarks within the browser application. The Word document will include tables for collecting information about the selected objects and then creating a "clue" document that others will use to complete the hunt.

#### **Available for:**

- Word 2003/Internet Explorer 6.5 - PC
- Word 2004/Safari 2 - Mac
- Word 2007/Internet Explorer 7 - PC

## WORLD LANGUAGES

### **French 1 to 10**   **Multimedia**   Ages: 8-11 yrs   16 Tutorials   **Project Type: Tech Integration**

Students will learn how to use the basic tools in Kid Pix Deluxe to create a slideshow about the French numbers one through ten. They will use the Sticker and Stamp tools to add images to a page for each number, add text for the French word, and record their own voice saying the number in French. Finally, they will create a slideshow of their number pages and export the slideshow as a QuickTime movie to share with others.

#### **Available for:**

- Kid Pix Deluxe 3 - Mac

### **French Colors**   **Multimedia**   Ages: 8-11 yrs   16 Tutorials   **Project Type: Tech Integration**

Students will be creating image pages in Kid Pix Deluxe that contain stamps and text corresponding to a specific color. The text that is added to the image will have the word for the color in French. Students will add voice narration that says the color in French. They will put their images together into a slideshow, adding sounds and transitions between images. Finally, they will print and export their slideshow as a QuickTime movie.

#### **Available for:**

- Kid Pix Deluxe 3 - Mac

### **Spanish Matching Game**   **Multimedia**   Ages: 8-11 yrs   11 Tutorials   **Project Type: Tech Integration**

Students will be using the Comic Life application to create a set of cards that can be used for a language matching game. They will select a page template, add images to the panes in the template, and add caption text to label their images. The card set will contain pairs of cards: one card with an image that is labeled in English and a corresponding card with the same image labeled in Spanish. Students can print the cards on card stock, cut them out, and play a matching game with them.

#### **Available for:**

- Comic Life - Mac