

Appendix E

Cross Content Integration

K-5

TECHNOLOGY INTEGRATION

Programs below are used in addition to activities outlined at each grade level in the cross-curricular integration tables that follow.

Book Flix, web-based, Scholastic

BrainPOP and *BrainPOP, Jr.*, web-based

Discovery Education, web-based

Flocabulary

Google Platform

Handwriting Without Tears Digital Tools, web-based

IXL

Letterbugs

MyON

Mystery Science

Read About

Reading EggsStudyjams, web-based, Scholastic

WiggleWorks, software, Scholastic

CROSS-CURRICULAR INTEGRATION WITH LANGUAGE ARTS

Standard 3

	Math Standard 4	Science Standard 5	Social Studies Standard 6	Technology Standard 8
K	New concepts introduced through literature Count number of words in sentences and syllables Math vocabulary	Read a book about a science concept and do related activity	Social studies themes introduced through literature	Website integration to support instruction Ipads used during small group and whole group instruction
1	Count syllables	Read and do group posters on land formations	Helen Keller- Braille name Read women/black history/ holiday books	BrainPopjr.com
2	Tap-out multi-syllable words	Read about butterflies, stars, and the moon	Read stories about immigrants	BrainPopjr.com
3	Interpret charts and graphs	Conduct Paper Bridge Engineering project related to Force and Motion unit	Lewis and Clark journal Women in History timeline Venn diagram comparing life during the Revolutionary war and Civil War	Type to publish essays or stories and create 50 States Slideshow using <i>Google Docs and Slides</i>
4	Answer opened ended questions with mathematic terms and strategies on assessments in detail, explain reasoning behind solving the equation, explain why answer is correct	<p>Social Studies- Write letters as former abolitionists, reflect on the Emancipation Proclamation and complete culminating writing activities, complete famous New Jerseyan presentation and Living Museum project, complete New Jersey post-card about the regions of New Jersey, take notes on various pieces of information throughout the unit, answer various open ended essay questions.</p> <p>Science- Complete friction review booklet, take notes on various information and topics taught, complete harmful and helpful changes to the environment activity, have students answer open ended questions about science videos in Google Classroom, answer open ended essay questions both on assessments and in the textbook.</p>		Research for report on famous New Jerseyan, publish all processed writing pieces by typing upon completion, complete all Journey's assessments online, complete numerous Google Classroom assignments throughout the school year in all subject areas
5	Logical reasoning and problem solving	Write scientific themes and predictions	Explorers report	Use the computer to type a business letter
6	Sequence events RR: Reading and sequencing a recipe	Writing prompt about the seasons RR: Stories about magic and chemistry	Writing prompt: "If I were president..." RR: Learn about the Holocaust and <i>Jacob's Rescue</i>	Use the computer for researching and publishing RR: Use of computers to type stories
7	Compare and Contrast Analogies Mathematical word problems	Study weather patterns based on novel setting	Holocaust unit Famous poets and writers from various historical	Use the internet to compile sources for research Type final drafts of essays

<p>8</p>	<p>related to the Holocaust Use problem solving related to optical illusions and solving mysteries RR: Word problems RR: Resource Room</p>	<p>Study pros/cons of scientific issues and debate RR: Review key concepts from science instruction and have students explain in writing</p>	<p>periods Studying pros/cons of historical issues and debate Research time period related to WWII Discuss setting relating to culture and geography RR: Learn about the Holocaust and <i>Devil's Arithmetic</i></p>	<p>Incorporate Prezi, Wordle, and Tagxedo within presentations RR: Use of computers to type stories</p>
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CROSS-CURRICULAR INTEGRATION WITH LANGUAGE ARTS

Standard 3

	Music Standard 1	Art Standard 1	Physical Education Standard 2	World Language Standard 7	Career Education Standard 9
K	Sing letter of the day and sight word song Sing ABCs Sing months of the year and days of the week	Draw a picture of what students will write about	Listen and follow one step directions through songs (Hokey Pokey) Gross motor through transitions	Read multicultural stories and retell or write a sentence about their favorite part	Read about different jobs, such as firefighters, and discuss what they would like to be
1	Sing Alphabet	Illustrate our writing	Parts of a letter dance (friendly letter)	Read about different cultures. Ask simple questions in Spanish.	Read community books and write "What Do I Want to be When I grow Up" paper
2	Sing months of the year song	Illustrate and label writing	Play site word <i>Simon Says</i>	Immigration activities	Take Your Child to Work Day reports
3	Sing songs that support content area learning with a focus on math facts and patriotic songs to teach history	Illustrate covers for stories	Participate in spelling words and math fact re-lay races	Discuss cultural diversity as it applies to particular stories	Discuss careers in science through reading in the content area
4	Sing songs that support content area learning, identify figurative language in music and lyrics, watch School House Rock videos with culminating activities of reflecting and or answer fill in the blank questions about the content presented	Illustrate Lorax/ Earth Day Project, visualize based on reading, illustrate pictures based on the skill show don't tell, create alliteration project, interpret and reflect on pictures in stores and discuss how they depict what is happening in the writing	Hand eye coordination during Morning Meeting, complete writing prompts throughout the year that reflect on physical education activities	Discuss how cultures are different as seen in stories read throughout the year and also in certain Social Studies units, students complete venn-diagram discussing various cultures discussed and studied	Read about different occupations and tell why/why not they would choose a job, complete health and safety posters reflecting on various jobs found in the community
5	Song lyrics in poetry unit	Illustrate a Haiku	Discuss rules of baseball when reading <i>Chinese Rookie</i>	Investigate word origins	Essay or journal entry on future career options
6	Write poetry and relate to songs RR: Write a rap song	Illustrate personal stories RR: Interpret and analyze a picture and write about it	Conflict resolution prompt RR: Read about sports figures	Compare proper pronouns and possessives in English to other languages RR: Proper nouns of countries	Writing prompt: "Where do you see yourself in 10 years?" RR: Journal entries about careers
7	Pneumonic devices Sing songs related to grammar rules Analyze and interpret song lyrics Compare and contrast song lyrics to poetry Write poetry to music Include music to enhance lessons, i.e. Harlem Renaissance	Interpret art from various time periods Draw pictures of visualizations based on reading descriptions Illustrate chapter titles that are missing Utilize arts forms depicting novel themes RR: Interpret and analyze a picture and write about it	From Cay novel, students ID items in bag without looking to relate to blindness Act out readers' theater plays Write and act out scripts Incorporate presentation skills and exercises for presentations RR: Read about sports figures	Read multicultural short stories with Spanish language integrated and discuss meaning Visualize and research various cultures and significant time periods in the history of various countries RR: Proper nouns of countries	Write journal entries on setting goals and managing time Listening exercises Note-taking skills Organize Career Fair RR: Journal entries about careers
8	RR: Write a rap song RR: Resource Room				