Evaluation Matters

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Summer Programs:
An Analysis of Participation and Impact, 2014

1. What is the purpose of this report?

This report examines the outcomes of the Summer Programs, a two -pronged initiative developed by the Superintendent to provide supplemental instruction for students in need of remediation and access to selected digital applications for practice outside the regular school context. The Summer Programs are comprised of seven In-Class components and one Out-of-Class component. Four of the In-Class components (Extended School Year Special Education Services; Voluntary Prekindergarten; as well as the Third Grade Summer Reading Camps[1] and Rising Literacy for 3rd Grade Students, which are addressed in separate stand alone reports) targeted the elementary grades and focused on strengthening reading comprehension and stimulating readiness skills. The remaining two In-Class components (Algebra I End-of-Course remediation and Course Recovery) targeted the secondary grades and focused on advancing students' progression/promotion and increasing opportunities for graduation. The Out-of-Class component (iLearning on the Go) provided students with access to a variety of Internet based software applications outside of the regular school setting through hypertext links available on the Student Portal. Five additional applications (Reading Plus, Gizmos Mathematics/Science, and Successmaker Reading/Mathematics) that comprise the Links to Learning suite were also made available to students on an ongoing basis during the summer.

2. Which populations are targeted in this report?

- **In-Class components**

The samples for the study included all students in grades 3 through 12 who entered prior to the second day of the summer reporting cycle and remained enrolled in the respective component for the duration of the cycle. Comparison groups when required were defined for those components by identifying non-participating students having pre- and post- test data. Students who did not have valid pre- and post-test scores at consecutive grades or who only partially participated in any component, were excluded from the analyses.

- **Out-of-Class component**

The samples for the study included all students in grades K through 12 who accessed the appropriate page on the Student Portal during the summer reporting cycle. Participation and usage analyses included all students who accessed the appropriate page and/or used selected application software during the summer session.

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3. How were the data for this report collected and analyzed?

Participation data were obtained from the student course registration data file and examined through descriptive statistics. Any required comparison groups were formed by identifying non-participating students with valid pre- and post- test scores. Each component with a defined comparison group was then analyzed by comparing the outcomes for students who participated in the component with students who did not, while taking into account the influence of demographic differences and baseline achievement as measured by a pretest. Each component without a defined comparison group was analyzed by gauging whether increased use was associated with superior outcomes, once students' demographic characteristics and baseline achievement were taken into account. The results for components without assessment data (e.g., Course Recovery) were limited to descriptive statistics.

4. What are the outcomes of the Algebra I EOC Remediation Component?

The Algebra I End-of-Course (EOC) remediation component is an intervention designed to prepare students who did not pass the Algebra I course required for graduation, to retake the test, and achieve a passing score of Level 3 or higher. The component focused on reviewing and strengthening specific algebraic and mathematics skills. High school students were offered the course through the adult education program, while students at selected alternative schools were offered the course at those locations.

- **Participation**. Table 2 separately lists the number and percentage of registered students who completed the Algebra I remediation component, participated and withdrew prior to completion, or registered but did not participate in the program, by their spring 2014 grade level.

Table 2. Participation in the Algebra I EOC Remediation Component

		Participation					
		Full[a]		Partial[b]		None[c]	
Spring Grade	Total	n	%	n	%	n	%
9	1,670	1,155	69.2	86	5.1	429	25.7
10	239	162	67.8	8	3.3	69	28.9
11	171	107	62.6	5	2.9	59	34.5
12	38	26	68.4	0	0.0	12	31.6
Total	2,118	1,450	68.5	99	4.7	569	26.9

[a]Students who completed the component. [b]Students who participated and withdrew prior to completion. [c]Students who initially registered but did not attend (i.e., no shows).

  - Over 2,000 students enrolled in the component.
  - Around two-thirds of students in each grade completed the component.
  - Over three quarters of the participants were ninth grade students.

- **Impact:** Statistical regression procedures were used to estimate the impact of demographic differences, baseline achievement (as measured by the spring Algebra I EOC pretest), and program participation on the students' chances of passing the summer Algebra I EOC by scoring Level 3 or higher.

  - **Pass rate:** Table 3 separately lists the total number of students tested and the number and percent of students who passed the end of summer Algebra I EOC exam, overall, for students

who participated in the Algebra I remediation component, and for students who did not participate in the component, by their 2014 spring grade level.

Table 3. Pass Rates for the End of Summer Algebra I EOC Examination by Grade

				Participation					
	Total			Participants			Non-Participants		
Spring		Pass			Pass			Pass	
Grade	Total	n	%	Total	n	%	Total	n	%
9	1,830	456	24.9	853	217	25.4	977	236	24.2
10	365	61	16.7	80	20	25.0	285	40	14.0
11	243	45	18.5	41	13	31.7	202	32	15.8
12	3	0	0.0	1	0	0.0	2	0	0.0
Total	2,441	562	23.0	975	250	25.6	1,466	308	21.0

- Around two-thirds of the students who completed the course as indicated in Table 2, took the end of summer Algebra I EOC exam.
- Around one-quarter of students who took the EOC passed the test.

- **Effect:** The component had a positive effect on nearly all the students who completed it.
  - Ninth grade students, overall, were significantly (2.33 times) more likely to pass the Summer Algebra 1 EOC posttest than students who did not take the course, but the program's effect varied with students' pretest scores.
    - The benefits of completion were amplified for lower than average students, attenuated for above average students, and not significant for the top third of students.
    - Retakers were significantly (2.60 times) more likely to pass the test than students who had not previously taken the test.
  - Overall, tenth grade and eleventh grade students were significantly (around 2.50 times) more likely to pass the test than students who did not take the course, regardless of their pretest scores.

5. What are the outcomes of the Credit Recovery component?

The Credit Recovery component provided an opportunity for middle school students who failed to accumulate the expected number of credits in core courses for their age and grade to accumulate additional credits during the summer. The totals do not include participation in the Algebra I remediation component.

- **Participation**. Table 4 lists the total number of courses students who completed one or more courses, and the number and students who registered and completed the component, registered and withdrawn prior to completion, and registered but did not participate in the component.
  - A total of 2,688 students enrolled in 2,708 courses. A total of 2,042 of those courses were completed.
  - Over 65% of the seventh grade courses were completed.
  - Over 80% of the eighth grade courses were completed.

Table 4. Participation in the Credit Recovery Component

		Completion					
	Courses	Full[a]		Partial[b]		None[c]	
Grade	Enrolled	n	%	n	%	n	%
7	1,080	718	66.5	99	9.2	263	24.4
8	1,597	1,312	82.2	85	5.3	200	12.5
Total	2,677	2,030	75.8	184	6.9	463	17.3

Note. Courses completed by sixth and ninth graders are excluded (n=31) from these totals. [a]Students who completed the component. [b]Students who participated and withdrew prior to completion. [c]Students who initially registered but did not attend (i.e., no shows).

- **Course Completion.** Table 5 lists the academic grades earned during summer school by the students who completed the component and subsequently were awarded credit, by subject area.

Table 5. Academic Grades Earned by Students who Completed the Component by Subject Area

			Final Grade							
	Courses	Percent	A		B		C		D	
	Enrolled	Graded	n	%	n	%	n	%	n	%
Language Arts	484	72.3	39	11.1	139	39.7	148	42.3	24	6.9
Mathematics	1,237	73.2	69	7.6	233	25.7	455	50.3	148	16.4
Science	455	69.9	9	2.8	128	40.3	153	48.1	28	8.8
Social Studies	532	71.8	28	7.3	149	39.0	168	44.0	37	9.7
Total	2,708	72.2	145	7.4	649	33.2	924	47.3	237	12.1

  - Nearly three-quarters of students who completed courses earned passing grades, over 40% with grades of A or B.
  - The vast majority of Credit Recovery courses were mathematics courses.
  - Students who took language arts and social studies courses earned the highest grades.

6. What are the outcomes for the iLearning on the Go component?

The iLearning on the Go component provided students with access to a variety of software applications outside of the regular school setting. These applications included (a) the five applications that comprise the Links to Learning suite as described in the first page of this report and (b) a variety of Internet based software applications accessed through a dedicated Web page on the Student Portal. See Addendum Table A for a completed listing of the applications offered.

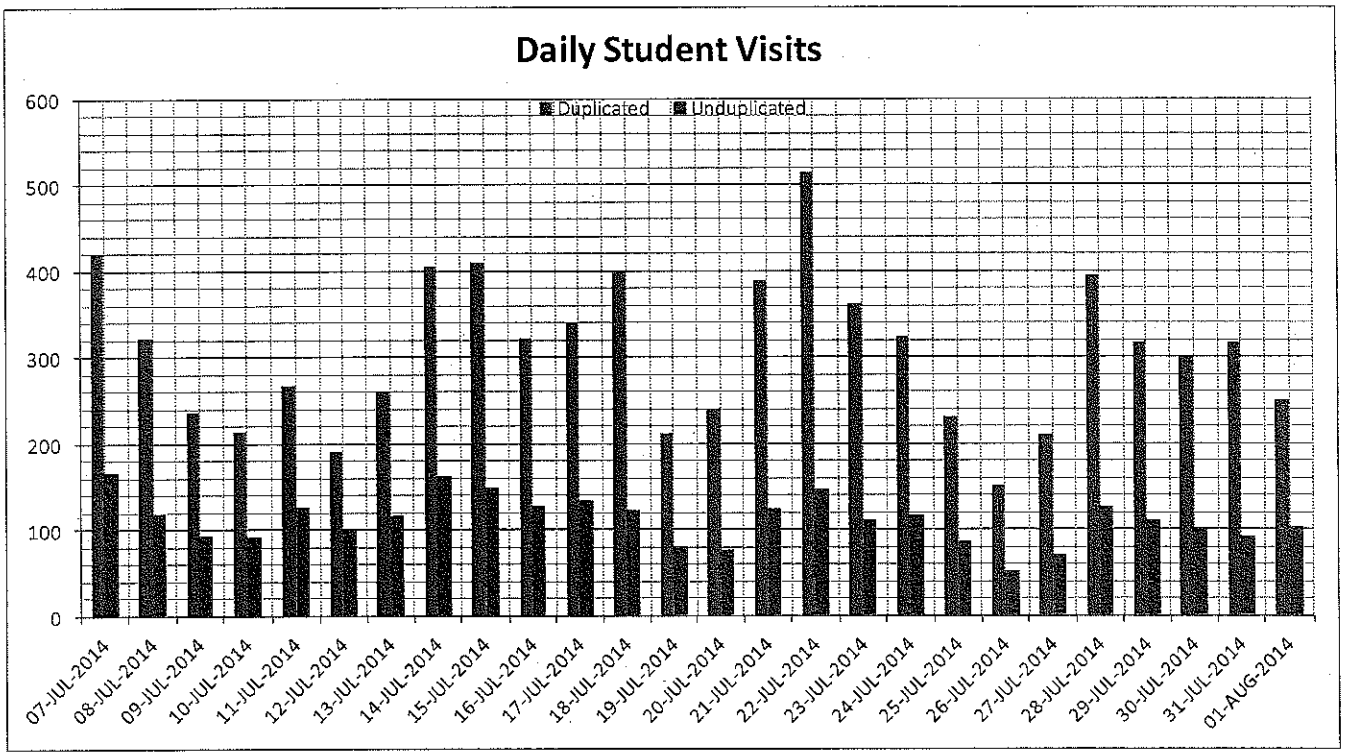
- **Links to Learning applications:** Detailed usage data were only made available by the developers of three of the five applications: Reading Plus, and Successmaker Reading & Mathematics.
  - **Usage:** Table 6 lists the number of students that used each application, the hours used by the "typical" student (50th percentile of usage), and by a "high-usage" student (95th percentile of usage) at each grade level and overall. The table shows that the number of users in the summer was much smaller than was seen during the regular school year, but usage by "high usage" students was proportionally greater.[ii]

Table 6. Links to Learning Applications Summer Usage

	Reading						Mathematics		
	Reading Plus			Successmaker			Successmaker		
		Percentiles			Percentiles			Percentiles	
Grade	n	50	95	n	50	95	n	50	95
03	1,102	1.00	10.49	75	1.03	6.72	71	0.77	4.83
04	1,536	0.88	10.13	52	0.97	6.30	56	0.77	4.70
05	1,357	0.88	9.70	36	0.83	3.87	49	1.00	8.14
06	597	0.57	8.10	--	--	--	--	--	--
07	325	0.65	8.49	--	--	--	--	--	--
08	266	0.62	6.70	--	--	--	--	--	--
09	107	0.50	4.92	--	--	--	--	--	--
10	132	0.56	9.65	--	--	--	--	--	--
Total	5,422	0.81	9.59	163	0.97	5.69	176	0.77	5.34

- **Reading Plus** was used by over 5,000 students during summer 2014. However, half of the students used the software for less than 0.81 hours all summer, and 95% used it for fewer than 9.59 hours all summer.
- **Successmaker** provided both reading and mathematics software, which was used by less than 75 students per grade in grades 3-5. Half of the students used the software for less than 1 hour, while 95% of the students used the software for less than 5.69 hours in either subject all summer.

- **Non-Links-to-Learning applications:** This section includes Web based applications accessible through the iLearning on the Go page that are not part of the Links to Learning suite. A complete list may be found in Table A at the end of this report.
  - **Participation:** Participation in the program was tracked by counting the total number of visits to the iLearning on the Go page of the Student Portal per sign on. Visits to the page to access one of the five Links to Learning applications are not included in this total. Figure 1 pictures the duplicated and unduplicated number of visits to the page during each of the days of the summer session.



- Nearly 3,000 students visited the page during the course of the summer, representing around 110 students per day.
- Students who visited the page did so an average of three times daily.
- The greatest number of visits occurred during the beginning of the week and lowest on weekends.

- **Types:** The Web based applications are categorized by subject area in Table 7.

Table 7. Number and Percent of iLearning on the Go Applications by Subject Area

Subject	Number	Percent
Arts and Music	9	6.0
Computer Technology	11	7.3
Foreign Language	3	2.0
Language Arts	39	26.0
Mathematics	31	20.7
Science	36	24.0
Social Studies	21	14.0
Total	150	100.0

- A total of 150 applications were offered to students.
- Language Arts and Science each accounted for around 25% the total, while Mathematics accounted for around 20%.
- Nearly one-seventh of the applications addressed Computer Technology.

- **Users:** Usage of the program is broken down by grade level and subject area in Table 8.

Table 8. Users' Access by Grade and Subject

Grade			Subject		
Grade	n	%		N	%
K	176	2.2	Arts	801	10.0
1	350	4.4	Computing	729	9.1
2	509	6.4	Foreign Language	339	4.2
3	716	8.9	Language Arts	2,018	25.2
4	566	7.1	Mathematics	3,015	37.7
5	730	9.1	Science	692	8.6
6	980	12.2	Social Studies	409	5.1
7	1,021	12.8	Total	8,003	100.0
8	767	9.6			
9	963	12.0			
10	715	8.9			
11	510	6.4			
Total	8,003	100.0			

- The page was most often accessed by students in Grades 6, 7, and 9.
- Language Arts and Mathematics were the subjects accessed the most often.

- **Most Popular:** The programs accessed most often are listed in Table 9.

Table 9. Sites Visited Most Often (n=8,003)

Site	n	%
IXL Math Practice	861	10.8
Crossword Puzzles	442	5.5
Power My Learning, Computing	423	5.3
Math Jeopardy, Millionaire	401	5.0
Art & Art History Games	308	3.8
Power My Learning, Science	274	3.4
Power My Learning, Mathematics	265	3.3
Games for Learning English, Mathematics	212	2.6
Math Games	182	2.3
Brain Training Games, Foreign Language	180	2.2
Power My Learning, Arts	164	2.0
Algebra	142	1.8
Power My Learning, Social Studies	140	1.7
Old Fashioned Spelling	127	1.6
Fun and Educational Web, Computing	122	1.5
Interactive Geometry 3D	114	1.4
Animated Picture books, Language Arts	111	1.4
Math Khan Academy	111	1.4
Create a Movie Step by Step	107	1.3
Games for Learning English, Language Arts	106	1.3
Academic English	101	1.3

- IXL Math Practice with 10.8% of visits was by far the most popular application.
- Power My Learning, with five applications listed among the sites visited most often and representing 16.3% of total visits, was by far the most popular vendor.

6. What are the principal conclusions of this report?

The results for the Summer Programs indicate that the in-class components reviewed in this report each had a beneficial impact on the achievement of the student groups who used them. Algebra I remediation significantly improved the odds of passing the End of Course exam. For tenth and eleventh grade students improvement was seen across the board, but the effects for ninth grade varied with the students' pretest scores. Specifically, the benefits were amplified for lower than average students, attenuated for above average students, and not significant for the top third of students. Nearly three-quarters of the students who participated in Credit Recovery earned passing grades. The iLearning on the Go component allowed students to access the Links to Learning (L2L) suite as well as a myriad of Web based applications though a dedicated page on the Student Portal. Although, Reading Plus was used by over 5,000 students, far more than any other L2L applications, the amount of usage was very small. While nearly 3,000 students accessed the non-Links to Learning applications throughout the summer, usage was evenly distributed, with around 110 students visiting the page on any given day to access multiple sites.

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[i] Urdegar, S.M. (2014). *Third Grade Summer Reading Camps, 2014 evaluation*. Miami, FL: Miami-Dade County Public Schools.

[iii] Urdegar, S.M. (2014) Links to Learning applications: An analysis of usage and impact, 2013-14. *Evaluation Matters, 4* (2), 1-5.

Table A. iLearning on the Go - Applications Menu

Title	URL	Level
Arts		
Art & Art History Games	http://www.wartgames.com/themes/art.html	00 - 11
Arthur - Crank It Up!	http://pbskids.org/arthur/games/crankitup/index.html	00 - 03
Arts and Music Games	http://www.playkidsgames.com/	00 - 06
Create a Movie Step by Step	http://www.learner.org/interactives/cinema/index.html	05 - 08
Curious George Games, Puzzles	http://pbskids.org/curiousgeorge/games/#1	01 - 06
Explore Rhythms, Beats	http://tinyurl.com/cpfhdy3	00 - 03
Fun and Educational Web	http://www.ipl.org/div/teen/	05 - 11
Power My Learning	https://mdcpsportalapps2.dadeschools.net/mdcpsmainsso/redirector.a	00 - 11
The Art of M.C. Escher	http://www.mathacademy.com/pr/minitext/escher/	08 - 11
Computing		
Computer Science Activities	http://www.csunplugged.org/activities	08 - 11
Computer Science for Fun	http://www.cs4fn.org/magic/	08 - 11
Free Microsoft Software	https://www.dreamspark.com/#	08 - 11
Fun and Educational Web	http://www.ipl.org/div/teen/	05 - 11
Library of Congress Collection	http://www.loc.gov/topics/science.php	09 - 11
Microsoft Windows Center	http://www.microsoft.com/student/en-us/default.aspx#fbid=9Fa7WCsx2	08 - 11
Online Software Training	http://www.lynda.com/	08 - 11
Power My Learning	https://mdcpsportalapps2.dadeschools.net/mdcpsmainsso/redirector.a	00 - 11
Robo Tech Ed	http://www.roboteched.net/	08 - 11
TED Talks	http://www.ted.com/	08 - 11
Using Technology to Solve Problems	http://www.imaginecup.us/Students/Index.aspx#fbid=_ryTM-6bSLN	08 - 11
Foreign Language		
Brain Training Games	http://www.travlang.com/languages/	08 - 11
Destinos - Travel the World	http://www.learner.org/series/destinos/	08 - 11
Languages for Travelers	http://www.travlang.com/languages/	08 - 11
Language Arts		
Academic English	http://www.voanews.com/learningenglish/theclassroom/activities/#	08 - 11
Activities and PowerPoint	http://www.english-4kids.com/	00 - 11
Animated Picture Books	http://tinyurl.com/5cptok	00 - 03
Create a Flip Book	http://tinyurl.com/yd7y6r7	00 - 03
Create Your Own Puzzles	http://www.discoveryeducation.com/free-puzzlemaker/?CFID=40940&CFT	08 - 11
Crossword Puzzles	http://tinyurl.com/ydlmome	00 - 11
Curious George Games, Puzzles	http://pbskids.org/curiousgeorge/games/#1	02 - 06

(*table continues*)

Table A, continued

Title	URL	Level
Language Arts, continued		
Elements of Literature	http://www.learner.org/interactives/literature/index.html	08 - 11
Essay Writing - Interactive	http://www.readwritethink.org/files/resources/interactives/essayma	08 - 11
For telling a good story	http://www.learner.org/interactives/story/index.html	01 - 06
Fractured Fairy Tales	http://tinyurl.com/yldqhfo	02 - 08
Fun and Educational Web	http://www.ipl.org/div/teen/	05 - 11
Games and Skills Practice	http://www.internet4classrooms.com/lang_elem.htm	00 - 05
Games for Learning English	http://www.manythings.org/	00 - 11
Grammar Lessons for Students	http://www.eslcafe.com/	06 - 11
Graphic Organizer	http://tinyurl.com/ykqgbob	01 - 11
Interactive Dictionaries	http://www.voanews.com/learningenglish/theclassroom/interactive/	06 - 11
Language Arts Games	http://www.playkidsgames.com/	00 - 07
Language Arts Interactive	http://www.learner.org/interactives/	00 - 11
Literature to Go ~ Online	http://etc.usf.edu/lit2go/	08 - 11
Magazine, Website, & Books	http://www.teenink.com/	08 - 11
Myths, Folktales, & Fairy Tales	http://teacher.scholastic.com/writewit/mff/index.htm	08 - 11
Old Fashioned Spelling	http://www.learner.org/interactives/spelling/index.html	01 - 11
Online Audience for Teens	http://www.threethingspoetry.com/	08 - 11
Organize alphabet	http://tinyurl.com/y9d4gyl	00 - 11
Phonics	www.starfall.com	00 - 11
Research & Writing	http://www.ipl.org/div/aplus/	08 - 11
Scripts Frenzy	http://www.scriptfrenzy.org/	08 - 11
Share What You're Reading	http://teacher.scholastic.com/activities/swyar/	08 - 11
Share Writing, Connect	http://figment.com/	08 - 11
Stories Read by Actors	http://www.Storylineonline.net	00 - 08
Stories Read Out Loud	http://www.storylineonline.net/	08 - 11
Story Maker for Kids	http://www.carnegielibrary.org/kids/storymaker/embed.cfm	08 - 11
Student Writing Center	http://www.discover-writing.com/forstudents.html	08 - 11
Texting101	http://www.voanews.com/learningenglish/theclassroom/activities/	08 - 11
Topic-Based English Language	http://www.eslpartyland.com/students/inter.htm	08 - 11
Write a Comic Strip	http://tinyurl.com/ycnzopv	00 - 11
Write words	http://tinyurl.com/64497a7	00 - 05
Young Writers Program	http://ywp.nanowrimo.org/	08 - 11

(*table continues*)

Table A, continued

Title	URL	Level
	Mathematics	
A Treasury of Modern Anagrams	http://www.puzzles.com/PuzzlePlayground/WelcomeToPuzzlePlayground.	08 - 11
A+ Math Games	http://www.aplusmath.com/Games/index.html	08 - 11
Absurd Math Interactive Problem Solving	http://www.learningwave.com/abmath/	08 - 12
Algebra	http://www.learnbasket.com/	08 - 11
American Mathematical Soctety	http://www.ams.org/profession/student	08 - 11
Area of a triangle	http://illuminations.nctm.org/ActivityDetail.aspx?id=48	01 - 05
Browsable Math Encyclopedia	http://www.mathacademy.com/pr/prime/index.asp	08 - 11
Curious George	http://pbskids.org/curiousgeorge/games/#1	01 - 05
Everyday Math	http://www.learner.org/interactives/dailymath/index.html	08 - 11
Explore Mathematicians	http://www.pbs.org/wgbh/nova/proof/	08 - 11
Facts, Formulas, and Algorithms	http://personal.bgsu.edu/~carother/pi/Pi1.html	08 - 11
Games for Learning English	http://www.eslgamesplus.com/	00 - 12
Interactive Geometry 3D	http://www.learner.org/interactives/	05 - 08
IXL Math Practice	http://tinyurl.com/ok6xbpc	00 - 11
Learn Metric Conversion	http://www.learner.org/interactives/	05 - 08
Manga High	http://www.mangahigh.com/en_us/games	08 - 11
Math Games	http://www.playkidsgames.com/	00 - 05
Math Interactive	http://www.learner.org/interactives/	00 - 11
Math is Fun! ~ Games	http://www.mathsisfun.com/games/index.html	08 - 11
Math Jeopardy, Millionaire	http://www.math-play.com	00 - 11
Math Khan Academy	http://www.khanacademy.org	05 - 11
Math Puzzles	http://www.mathpuzzle.com/	08 - 11
Multiplication.com Game	http://www.multiplication.com/games	08 - 12
Power My Learning	https://mdcpsportalapps2.dadeschools.net/mdcpsmainsso/redirector.a	00 - 11
Probability	http://illuminations.nctm.org/ActivityDetail.aspx?ID=143	03 - 08
Probability	http://illuminations.nctm.org/ActivityDetail.aspx?id=79	03 - 08
Puzzles, Quizzes, Cool	http://www.math.com/	05 - 11
The Math Forum - Ask Dr. Drexel	http://mathforum.org/students/	00 - 11
Thinkfinity 9-12 Interactive	http://www.thinkfinity.org/search?start=0&partner_value=0&from_lin	08 - 11
Time Tables Game *	http://www.teachingtables.co.uk/timetable/tgame1.html	08 - 11
Volume *	http://illuminations.nctm.org/ActivityDetail.aspx?id=6	03 - 08

(table continues)

Table A, continued

Title	URL	Level
	Science	
*Journey Into Space	http://teacher.scholastic.com/activities/explorations/space/	08 - 11
Amusement Park physics	http://www.learner.org/interactives/parkphysics/index.html	08 - 11
Animals, Adaptations, & the Galapagos Islands	http://teacher.scholastic.com/activities/explorations/adaptation/b	08 - 11
Brain Games *	http://news.discovery.com/human/discovery-news-games-120120.html	08 - 11
Build YourOwn Ecosystem	http://www.learner.org/courses/envsci/interactives/ecology/	08 - 12
Classify Insects *	http://teacher.scholastic.com/activities/explorations/bug/index.ht	08 - 11
Coloring Book of emerge	http://www.ready.gov/kids	01 - 06
Curious George Games, Puzzles	http://pbskids.org/curiousgeorge/games/#1	01 - 05
Discovery Interactive	http://www.discoveryeducation.com/students/index.cfm?campaign=flyo	08 - 11
Earth structures: Plate	http://www.learner.org/interactives/dynamicearth/index.html	06 - 09
Energy Lab - Lab from T	http://www.learner.org/courses/envsci/	05 - 11
Eyes on Earth	http://climate.nasa.gov/Eyes/	08 - 11
Family Guide to Mars *	http://www.marsquestonline.org/resources/familyguide/index.html	09 - 11
Fun and Educational Web	http://www.ipl.org/div/teen/	05 - 11
Global Climate Change	http://climate.nasa.gov/interactives/	08 - 11
Head Rush Myth Buster	http://headrush.discovery.com/#	09 - 11
How to Improve Next Year	http://www.learner.org/interactives/garbage/intro.html	09 - 11
Interactive Physics Sim	http://lectureonline.cl.msu.edu/~mmp/applist/applets.htm	09 - 11
Learn About DNA *	http://www.learner.org/interactives/dna/index.html	08 - 11
Multimedia Physics *	http://www.physicsclassroom.com/mmedia/	09 - 11
Physics for the 21st Ce	http://www.learner.org/courses/physics/	09 - 11
Power My Learning *	https://mdcpsportalapps2.dadeschools.net/mdcpsmainsso/redirector.a	00 - 11
Predicting Volcanoes an	http://www.learner.org/interactives/volcanoes/index.html	09 - 11
Rock Cylce with Visuals	http://www.learner.org/interactives/rockcycle/index.html	06 - 09
Science in Latin Americ	http://lanic.utexas.edu/subject/science/	09 - 11
Science Interactive *	http://www.learner.org/interactives/	00 - 10
Science Writing *	http://teacher.scholastic.com/activities/sciencewriting/	08 - 11
SciMorph & SciWorld *	http://6007.stem.org.uk/index.html#/home	11 - 11
Smithsonian Science	http://smithsonianeducation.org/students/explore_by_topic/science_	09 - 11
Summer Science Fun	http://sciencenetlinks.com/collections/summer-learning/	08 - 11
The Basics of the Periodic Table	http://www.learner.org/interactives/periodic/index.html	09 - 11
The Weather *	http://www.learner.org/interactives/weather/index.html	09 - 10
Thinkfinity 9-12 Interactive	http://www.thinkfinity.org/search?start=0&partner_value=0&from_lin	08 - 11
Virtual Lab on Chemistry	http://www.glencoe.com/sites/common_assets/science/virtual_labs/E2	08 - 11

(table continues)

Table A, continued

Title	URL	Level
Social Studies		
7 Wonders of the World	http://www.panoramas.dk/7-wonders/index.html	08 - 11
Ancient History Encyclopedia	http://www.ancient.eu.com/	08 - 11
Black History in America	http://teacher.scholastic.com/activities/bhistory/index.htm	08 - 11
Complete Maps	http://www.mrdonn.org/geography.html	01 - 08
Curious George Games, Puzzles	http://pbskids.org/curiousgeorge/games/#1	01 - 05
Explore a Topic in Smithsonian	http://www.mnh.si.edu/explore.html	08 - 11
Fantasy Stock Market *	http://www.fantasystockexchange.biz/	08 - 11
Geography Games *	http://www.playkidsgames.com/	00 - 06
History Interactive *	http://www.learner.org/interactives/	00 - 11
History of the Renaissance	http://www.learner.org/interactives/renaissance/index.html	08 - 11
History Timeline	http://www.learner.org/interactives/historymap/index.html	08 - 11
Map Maker Interactive *	http://education.nationalgeographic.com/education/mapping/interact	05 - 11
Native American Culture	http://teacher.scholastic.com/activities/explorer/native_americans	08 - 11
Newspapers from Around the World	http://www.newseum.org/todaysfrontpages/flash/	08 - 11
Power My Learning *	https://mdcpsportalapps2.dadeschools.net/mdcpsmainsso/redirector.a	00 - 11
Price of Freedom America	http://americanhistory.si.edu/militaryhistory/exhibition/flash.htm	08 - 11
Sleuthing to Figure Out	http://www.learner.org/interactives/historical/index.html	07 - 11
Smithsonianân's History	http://historyexplorer.americanhistory.si.edu/search/?query=&searc	05 - 11
Thinkfinity Games 9-12	http://www.thinkfinity.org/search?start=0&partner_value=0&from_lin	08 - 11
Travel Through Space *	http://www.timewarptrio.com/	01 - 05