



**GUIDE FOR PRINCIPALS
IN THE WAKE OF HURRICANE SANDY**

NOVEMBER 2012



Dear Principal,

We realize that this may be a difficult time for many of you as you deal with both the personal ramifications of the storm and the challenges of re-opening your school.

The Guide for Principals in the Wake of Hurricane Sandy is intended to support you in transitioning back to the regular school schedule as effectively as possible and help you plan for short-term and long-term contingencies your school community may face. As you think about the transition back to school for both students and staff, this guide provides support for:

- Welcoming staff and students back and making sure they are getting the support they need;
- Planning curriculum for students who may or may not be able to attend school next week.

For schools that will not be in session or for students who cannot be in attendance, we have provided generic grade-level packets online at <http://schools.nyc.gov/Academics/learnathome/default> for families to use at home. Additionally, this guide includes an array of online and offline resources that may be helpful, as well as a template for teachers to use in planning and preparing additional supports for students not in school. As you work with your staff, you might help them think about what they can prepare if your school does not currently have the normal resources at hand or what they can plan for students to practice on their own if they are unable to make it into school.

Thank you for your ongoing commitment to your students and school communities during this difficult time.

Best,

Shael

Shael Polakow-Suransky
Chief Academic Officer and Senior Deputy Chancellor
New York City Department of Education

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WELCOMING YOUR STAFF AND STUDENTS

As we welcome back staff and prepare for students' return, it is important to take some time to check in with school community members about their experiences over the last several days and to talk with them about their well-being.

Supporting Staff

As staff return to school, please consider:

- providing an opportunity for staff members to articulate what they need in getting through the next several days;
- giving staff members an opportunity to share their concerns on how best to support students;
- activating your school crisis response team;
- updating staff on ongoing communication protocols;
- updating the school's staff and parent contact information;
- planning to open a space in your school for students to go for counseling services; and
- preparing crisis resources for staff.

Supporting Students

All students have been affected to some extent by Hurricane Sandy. Regardless of students' ages, it is important to consider:

- providing them with opportunities to discuss their experiences;
- validating the range of feelings they may have regarding what has happened;
- answering their questions honestly; and
- focusing on students' strengths.

Encourage staff members who learn of specific student and family needs to share this information with you or your designee.

Online Resources

- **Tips for Administrators, Teachers, and Counselors** includes guidance on speaking with your staff upon their return to school: <http://intranet.nycboe.net/NR/rdonlyres/358E8D81-1998-4364-9B35-A96F03E71168/0/TipsforAdministratorsCounselorsandTeachers.pdf> (from a non-DOE network computer, sign in: <https://portal.nycenet.edu/NR/rdonlyres/358E8D81-1998-4364-9B35-A96F03E71168/0/TipsforAdministratorsCounselorsandTeachers.pdf>)
- **Crisis Response Resources** can help your staff address the needs of students and their families in the coming days and weeks: <http://intranet.nycboe.net/DOEPortal/Principals/FamSvcs/YouthDevelopment/KeyLinks/CrisisResponseResourcesHurricaneSandy.htm> (from a non-DOE network computer, sign in : <https://portal.nycenet.edu/DOEPortal/Principals/FamSvcs/YouthDevelopment/KeyLinks/CrisisResponseResourcesHurricaneSandy.htm>)
- **Talking to Children About Hurricane Sandy** provides teachers and counselors with specific strategies they may use in starting a conversation with students about their experiences: <http://intranet.nycboe.net/NR/rdonlyres/E48DD4AC-4B75-427C-8D5D-5F8E4DB75995/0/TalkingtoChildrenAboutHurricaneSandyGuidanceforTeachers.pdf> (from a non-DOE network computer, sign in: <https://portal.nycenet.edu/NR/rdonlyres/E48DD4AC-4B75-427C-8D5D-5F8E4DB75995/0/TalkingtoChildrenAboutHurricaneSandyGuidanceforTeachers.pdf>)

If you have questions regarding this information or require additional assistance, please contact your network leader.

PREPARING CURRICULUM FOR STUDENTS AWAY FROM SCHOOL

This section provides a variety of online and offline resources that school leaders and teachers can use as they craft their curricular plans for the upcoming week, whether they are planning for returning to a classroom, teaching in a temporary classroom, or supporting students who are temporarily unable to come to school. These resources are a beginning point for preparing curriculum. Consult the suggestions for each subject area below to determine whether they suit your context. The following resources cover English, math, science, and social studies. Please note that the Department posted Learn At Home guides online at <http://schools.nyc.gov/Academics/learnathome/default>. These provide activities for students to do across content areas including some for physical exercise and the arts that you might consider sharing with your students as well.

SUGGESTIONS FOR PLANNING AND STRUCTURING STUDENT WORK

When planning and structuring student work outside of the classroom, your goal is to create a set of exercises that can be done away from school, that parents can monitor, and that give students concrete tasks to submit to you. You can do this at all levels and in all subjects, or you can decide to prioritize based on what you were working on previously or what is easiest for students to access. Consider the following suggestions as you prepare:

Timeline: as we transition back into schools, information about building availability and/or student ability to attend school will change regularly. Consider planning a week's worth of resources at a time for students.

Connections to previous work: wherever possible, connect materials in ways that are topical to what you were doing in class prior to Hurricane Sandy. While you will not be able to deliver your exact lesson plans, the more familiar your students are with the topics and tasks, the easier it will be for them to plug into the work away from school.

Independent work – consider the following types of activities for students to do at home:

- Read a text and answer questions about it;
 - Reading material can be provided by you, from a textbook they brought home, or external resources (i.e. the newspaper) but should be easily available (either online or otherwise)
 - For older students, if they are already reading longer texts they have in their possession, this is a great time to finish reading those texts
- Provide tasks that they may be able to complete at home or online activities:
 - These might include math problem sets, math or science word problems, or document based questions in social studies
- Discuss work with friends and for those who are near other classmates, complete group work;
- Discuss work with parents and ask questions to complete tasks at home.

Culminating work: activities should generate a set of products that you collect at the end of the week so that students can evidence their learning and so that parents can follow up on what they're learning.

Post-Hurricane Planning Template

INTRODUCTION: Knowing that you’re planning for a week where you may or may not have access to your regular array of materials and your students may or may not be in front of you, use this template to begin planning the work for students.

Grade Subject: Title
Unit Topic: What are the major topics we have been studying and should be studying? (examples could include: fractions, Civil War, electricity)
What could my students work on at home?
What resources should students access? <ul style="list-style-type: none"> • What online resources are available? • What texts do students have at home or that I could get them? • What worksheets could I create? • What activities could students do with parents or nearby classmates?
How should students evidence their learning? What homework can they do? (i.e. complete problem sets, write essays, answer questions, make a graph, draw a picture)
Could any of these tasks be a final assessment? (i.e. a set of questions that lead to an essay or problem sets that lead to an attempt at a multi-step problem)

For examples, see the Learn At Home guides online at <http://schools.nyc.gov/Academics/learnathome/default>.

ELEMENTARY

Below teachers will find a list of online and offline resources that might be helpful in planning curriculum for students. Teachers should consider planning lessons that fit in with the curriculum that students have been working on, if possible.

MATH

ONLINE RESOURCES

Website: Online access to Everyday Math has been provided to all NYC schools, including those that do not usually use these resources. McGraw-Hill has offered this support for the next three weeks, knowing that some schools and students may need additional online resources during recovery from the storm. Each staff member should follow the steps outlined below to create an account.

Getting Started with Everyday Math online access:

Go to the EVERYDAY MATH home page: http://em-ccss.everydaymathonline.com/g_login.html and click “Activate Your Account”

- Your REGISTRATION CODE is: 4AE183BD
- **All teachers must use ZIP code 10007 during registration** regardless of your actual location.

Once you have logged in to your new account, please enter the Class Management page via the CLASS BUILDER or BUILD CLASS link to set up a class and register your students. Please enter a name for your class that will be distinct (ex. Mrs. Jones 1st grade K011 2012), choose a grade level, then save (class description is optional). Upon creating your class, you will be able to manage students. For each student, enter the first and last name, and the grade level (additional information is optional in conformance to the No Child Left Behind act). After building your class and registering your students, you may then retrieve your students' passwords and generate login cards for them.

Teachers and students may log in from the EVERYDAY MATH home page:

http://em-ccss.everydaymathonline.com/g_login.html

Note: if you have previously registered an account, you may log in as normal and continue using the program. Your account will remain as it previously was, including classes that were created and students that were registered. If you no longer need your previous class data, you may remove your class to allow the students to be assigned to a new class (please check with your site administrator that any usage or statistic reports have been completed before doing so).

Technical Support:

Technical support is provided by McGraw-Hill Digital Technical Support; toll free at 800-678-2747, or via web form at <http://www.epgtech.com/contact/index.html>. Additional support materials are also available on the website.

Website: <http://illustrativemathematics.org>

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: K-5

Description: The Illustrative Mathematics Project uses high quality, rigorously reviewed tasks from teacher leaders across the nation to illustrate each of the Common Core Standards for Mathematics.

Website: <http://www.insidemathematics.org/index.php/tools-for-teachers>

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: K-5

Description: Inside Mathematics offers additional math tasks that are aligned to the Common Core Standards.

Website: National Library of Virtual Manipulatives (<http://nlvm.usu.edu/en/nav/vlibrary.html>)

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: K-5

Description: This resource is a library of web-based manipulatives for K-12 math instruction.

Website: NCTM Illuminations (<http://illuminations.nctm.org/>)

Topic(s) Covered: Number in Base Ten, Counting and Cardinality, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: K-5

Description: Includes a range of activities (including lesson plans and web-based apps) to teach/practice a variety of concepts and skills. In early grades, this includes a counting activity using five-frames (<http://illuminations.nctm.org/ActivityDetail.aspx?ID=74>) and an addition activity (<http://illuminations.nctm.org/ActivityDetail.aspx?ID=198>). In upper elementary, this includes an equivalent fractions activity (<http://illuminations.nctm.org/ActivityDetail.aspx?ID=80>) and a fraction modeling tool (<http://illuminations.nctm.org/ActivityDetail.aspx?ID=11>).

Website: Learnzillion (<http://learnzillion.com/>) *free registration*

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: 3-5

Description: In upper elementary grades (3-5), the site includes tutorial videos with activities aligned to specific Common Core Standards.

Website: FunBrain (<http://www.funbrain.com>)

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking

Grade Level: K-6

Description: This website offers free web-based games and activities that provide students from K-6 with support practicing mathematical skills.

Website: NetTrekker (<http://www.performanceseries.com>)

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: PK - 12

Description: For schools who currently use Performance Series or who used Performance Series last year, you can access the NetTrekker data base through your Performance Series site. Once you have logged in (your password is your 6 digit file number), click on the tab titled “Resources” and then click on the second link. You will be redirected and immediately logged into the NetTrekker site.

Website: K-5 Math Teaching Resources (<http://www.k-5mathteachingresources.com/>)

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Geometry, Measurement

Grade Level: PK-5

Description: The resources on this website include a collection of online games, worksheets, and activities aligned to the Common Core Standards. There are resources that support recently completed, current, and upcoming units in mathematics, aligned to the NYC scope and sequence in grades PK-5.

OFFLINE RESOURCES

Resource: Student project

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Number and Operations—Fractions

Grade Level: K-5

Description: Identify a number, appropriate to your grade level, and develop activities around the number. Several activities can be conducted at all grades. Students can use Name Collection Boxes (see *Everyday Math*) to identify multiple names for numbers. *See example below.*

25

25+0 30-5 twenty-five

2 tens and 5 ones

Additional activities can include a description of the properties of the number, appropriate to the grade (prime/composite, odd/even, multi-digit/single-digit, divisible by 3, 4, 5..., etc.). Students can identify the place values of various digits in the number and compare the values of those digits. All of these activities lend themselves to discussion among students.

Resource: Student project

Topic(s) Covered: Number in Base Ten, Operations and Algebraic Thinking, Measurement

Grade Level: K-5

Description: Students look through magazines, newspapers, TV, and other media and print resources to find various numbers and identify the ways in which they are used. Possible extensions include: catalog the different ways numbers appear in society and continue to collect it for an extended period of time. Then create a graph to determine which the most common use of numbers is.

ENGLISH LANGUAGE ARTS

ONLINE RESOURCES:

Website: <http://www.timeforkids.com/>

Topic(s) Covered: Current events/news

Grade Level: 3-5

Description: Contains online articles, interviews, and “mini sites” about current events and around themes such as holidays. Consider printing articles for use off-line.

Website: <http://www.canteach.ca/elementary/songspoems.html>

Topic(s) Covered: Thematic poetry

Grade Level: 1-3

Description: This blog contains printable poems grouped by theme. It is a good resource for word work and fluency practice.

Website: <http://www.readinga-z.com/samples/leveled-reading.html>

Topic(s) Covered: Leveled reading samples

Grade Level: K-5

Description: This is a pay website, but contains a few free, downloadable/printable samples of leveled readers for students.

Website: <http://www.starfall.com/>

Topic(s) Covered: Early and emergent literacy skills

Grade Level: K-1

Description: This site contains free online educational games, stories, and plays. Each activity includes sound so that students may elect to have words read aloud to them. Games and stories must be read on the computer- there is no option to print or download materials.

Website: <http://www.k12reader.com/>

Topic(s) Covered: Basic skills-based reading and writing activities (e.g. sight words, spelling, phonics, grammar, fluency, and reading comprehension worksheets).

Grade Level: K-5

Description: This website contains skills-based downloadable worksheets and games to support themed resources and suggestions for activities.

Website: <http://www.kidzone.ws/kindergarten/index.htm>

Topic(s) Covered: Early grade Language Arts

Grade Level: PK-2

Description: Phonics, handwriting, and resources to choose from to support the learning of sounds, early writing, and reading.

Website: <http://www.education.com/workbooks/?grade=second-grade,fifth-grade>

Topic(s) Covered: Reading, Writing, Social Studies, Science and Arts

Grade Level: K-12

Description: Interdisciplinary creative lessons that encourage reading and writing while capturing learner interest across the subject areas.

Website: <http://www.abcteach.com/directory/reading-comprehension-grades-2-4-79-2-1->

Topic(s) Covered: Reading, Writing, Social Studies, Science and Arts

Grade Level: K-5, 6-8

Description: Theme-based and Common Core Standards-aligned tasks that are high interest and across the subject areas may be used to have students work in groups, partnerships, home links and/or independently. This resource includes audio-visual support for multiple entry points making activities accessible to all learners.

Website: <http://www.readinga-z.com/>

Topic(s) Covered: Language Arts, Theme-based activities, Science, Social Studies

Grade Level: PK-2 6-8

Description: Leveled books with lessons may be used to move students to independent reading. This resource includes audio-visual support and multiple entry points for English Language Learners and students with special needs.

Website: <http://www.learnzillion.com/>

Topic(s) Covered: English Language Arts

Grade Level: K-5 and 6- 12

Description: Lessons engage students in Common Core Standards-aligned activities. All domains (reading, writing, listening and speaking) are utilized to deepen the thinking of all learners.

Website: <http://engageny.org/resource/curriculum-exemplars>

Topic(s) Covered: English language Arts

Grade Level: K-5

Description: These lessons are designed to immerse the students in the Common Core Standards for ELA. The lessons introduce and develop critical reading and writing skills, including making evidence-based claims about complex texts.

SOCIAL STUDIES

ONLINE RESOURCES:

Website: NYC DOE Teacher Page Resources for Social Studies

<http://schools.nyc.gov/Teachers/Resources/Classroom/SocialStudies/default.htm>

Topic(s) Covered: Listing of useful websites to support Social Studies learning

Grade Levels: PK-12

Description: This NYC DOE website contains a listing of websites related to social studies with many lessons, articles, ideas, and resources.

Website: National Archives of the US

<http://www.archives.gov/education/lessons/>

Topic(s) Covered: Social Studies using primary documents

Grade Level: PK-12

Description: This website contains materials that are reproducible copies of primary documents from the holdings of the National Archives of the United States, with teaching activities correlated to the National History Standards and National Standards for Civics and Government, as well as cross-curricular connections. Sample: Inauguration Quiz

<http://www.archives.gov/education/lessons/inaugural-quiz/>

Website: I Civics

<http://www.icivics.org/teachers>

<http://www.icivics.org/search/teachers?authority=34882&strand=34883&grade=34884>

Topic(s) Covered: Grade specific civics-related lessons and activities

Grade Level: PK-12

Description: I Civics prepares young Americans to become knowledgeable, engaged 21st century citizens by creating free and innovative educational materials. The site was founded in 2009 by Justice Sandra Day O'Connor in an effort to reverse Americans' declining civic knowledge and participation. Content for this site is contributed by educational leaders and a national leadership team of state Supreme Court justices. Educational materials are available by grade level and subjects including: civics & citizenship, economics, geography, government, history and skills.

Website: Teacher Vision

Presidential Elections: <http://www.teachervision.fen.com/elections/teaching-methods/56372.html>

Veterans Day: <http://www.teachervision.fen.com/veterans-day/teacher-resources/6674.html>

Topic(s) Covered: Presidential election resources and Veterans Day resources

Grade Level: PK-12

Description: TeacherVision provides a plethora of resources on a diverse range of subject areas. The Presidential election and Veterans Day materials might be of particular interest given the time of year. Materials can be searched by grade level and topic. Teachers can sign up for a 7-day free trial.

Website: Scholastic Classroom Magazines
<http://magazines.scholastic.com/election-2012>

Topic(s) Covered: Election 2012

Grade Level: PK-12

Description: Information regarding the election including articles, vocabulary with a word of the day, interviews with candidates, lesson plans, parent guides, etc.

Website: Engage NY

<http://engageny.org/resource/curriculum-exemplars/>

Topic(s) Covered: ELA units incorporating Social Studies content for each grade level

Grade Level: PK-12

Description: Draft materials were developed and published by the Core Knowledge Foundation www.coreknowledge.org to align to Common Core Standards. Units are developed on a variety of themes including those related to Social Studies on each grade level.

SCIENCE

ONLINE RESOURCES:

Website: <http://www.science-teachers.com/>

Topic(s) Covered: Life Science, Space Science, Earth Science and Physical Science

Grade Level: K-8

Description: Science-Teachers.com is a teaching resource providing lesson plans, worksheets, and activities for upper elementary and middle school science teachers.

Website: <http://www.hhmi.org/coolscience/forkids/>

Topic(s) Covered: Plant-parts, air, junk, critters, butterflies, inch square

Grade Level: K-3

Description: Cool Science is a fun site that helps students appreciate science. The resources target observation skills, plants, animal classifications and metamorphosis.

Website: <http://engageny.org/resource/core-knowledge-language-arts-listening-and-learning-files/>

Topic(s) Covered: Five senses, plants, seasons and weather, human body, astronomy, cycles in nature, insects

Grade Level: K-2

Description: EngageNY has posted full text units for early childhood grades K-2 aligned to the Common Core Standards for listening with ties to science and social studies.

Website: <http://learning.blogs.nytimes.com/2012/10/30/teaching-hurricane-sandy-ideas-and-resources/>

Topic(s) Covered: Science and math related to Hurricane Sandy

Grade Level: 4-12

Description: The Learning Network has posted ideas for responding to the storm and its aftermath with students.

Website: <http://teachersdomain.org>

Topic(s) Covered: Numerous topics in Physical Setting and Living Environment

Grade Level: 3-12

Description: Teachers' Domain is a free digital media service for educational use, brought to you by the New York State public broadcasting stations and their partners. You will find thousands of media resources, support materials, and tools for classroom lessons, individualized learning programs, and teacher professional learning communities. You must create a profile to use this site.

Website: <http://sciencebulletins.amnh.org>

Topic(s) Covered: Numerous topics are covered. You can search resources and filter by grade level.

Grade Level: K-12

Description: The American Museum of Natural History Science Bulletin Website has been updated to provide news on recent discoveries in biodiversity, earth sciences and astrophysics. The bulletins present current science news through video stories, 3-D graphics, and interactive satellite data visualizations.

Website: <http://www.asPCA.org/>

Topic(s) Covered: Animal care and rescue, storm relief

Grade Level: K-8

Description: At the ASPCA website, educators will find a host of educational resources including an annotated bibliography of children's literature and recommendations for science projects.

Website: <http://www.animaland.org>

Topic(s) Covered: Animal care and rescue

Grade Level: K-8

Description: The ASPCA's kid's site is a great place to send student web-surfers for the latest animal and pet care information.

Website: <http://astroventure.arc.nasa.gov/>

Topic(s) Covered: Astronomy, Atmospheric Science, Geology

Grade Level: 4-12

Description: Astro-Venture is an interactive, multimedia website in which students role-play NASA careers, as they search for and design a planet that would be habitable to humans. The site provides two Astro-Venture Educator Guides designed to assist middle school teachers in meeting national education standards in geology and biology. The Geology Educator Guide addresses standards on the effects of heat and pressure on states of matter, density, convection, plate tectonics, volcanoes, the carbon cycle, Earth's magnetic field, and radiation. The Biology Educator Guide addresses standards for ecosystems, producers and consumers, energy, and the cycle of matter.



Website: <http://www.bagheera.com>

Topic(s) Covered: Endangered animals

Grade Level: 4-12

Description: The Bagheera endangered species website is a place where students can learn more about endangered species issues, and then, should they choose, be a voice to help save the animals from becoming extinct.

Website: <http://www.billnye.com>

Topic(s) Covered: Various science topics

Grade Level: K-8

Description: Bill Nye presents demos, goodies, teacher information, and "Ask Bill Nye."

Website: <http://www.teachingideas.co.uk/science/contents.htm>

Topic(s) Covered: Science investigation

Grade Level: K-6

Description: This website provides a template for guiding science investigations.



SECONDARY

Below teachers will find a list of online and offline resources that might be helpful in planning curriculum for students. Teachers should consider planning lessons that fit in with the curriculum that students have been working on, if possible.

SECONDARY MATH

ONLINE RESOURCES:

Website: <http://map.mathshell.org/materials/index.php>

Topic(s) Covered: All math subjects

Grade Level: Middle School/Beginning High School

Description: This site provides tools for formative and summative assessment. These tools include tasks, lessons for formative assessment focused on developing math concepts and/or non-routine problem solving and prototype summative tests. Teachers can use these lessons and assessments to monitor student progress.

Website: <http://illustrativemathematics.org>

Topic(s) Covered: All math subjects

Grade Level: Middle School/Beginning High School

Description: The Illustrative Mathematics Project uses high quality, rigorously reviewed tasks from teacher leaders across the nation to illustrate each of the Common Core State standards for Mathematics.

Website: <http://www.figurethis.org/index.html>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This resource provides sets of challenges through which students can develop their problem solving skills in algebra, geometry, statistics and probability. Teachers should select challenge problems that support their lessons.

Website: <http://nasawavelength.org/resource-search?facetSort=1&topicsSubjects=Mathematics&educationalLevel=High+school>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This resource provides numerous activities applying mathematics (algebra, geometry, and calculus) to the field of space science. Teachers can choose cross-curricular activities that address both math and science.

Website: <http://learning.blogs.nytimes.com/category/mathematics/>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This website provides a number of mathematics resources related to current events, from Hurricane Sandy to the elections. Teachers can access lesson plans based on NYTimes content.

Website: <http://nlvm.usu.edu/en/nav/vlibrary.html>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This resource is a library of web-based manipulatives for K-12 math instruction. Teachers can utilize these online tools to supplement lessons and bring math content to life through interactive, virtual manipulatives that will help students visualize abstract concepts.

Website: <http://www.khanacademy.org/>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This resource provides an online collection of video lessons in math instruction. Teachers can use these videos to introduce new concepts or as a re-teaching tool. The videos explain math concepts and also work through sample problems.

Website: http://www.free.ed.gov/subjects.cfm?subject_id=33

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This resource is a collection of math teaching and learning resources from the federal government. Teachers can use the resources and websites to supplement their lessons. Many of the resources allow teachers to visually represent abstract math concepts.

Website: <http://insidemathematics.org/index.php/home>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This website provides videos of teaching methods and tools for classroom instruction. Teachers can use the “problem of the month” to promote problem-solving skills in their classes.

Website: <http://mathforum.org/>

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: This website provides resources for both students and teachers related to math instruction. Teachers can use the “problem of the week” to promote problem-solving skills in their classrooms and utilize them to introduce a new lesson or as a quick closing activity at the end of a lesson.

OFFLINE RESOURCES:

Resource: Math projects

Topic(s) Covered: All math subjects

Grade Level: 6-12

Description: Designing and completing projects that develop mathematical knowledge allow students to demonstrate their understanding and to apply what they know to real-life situations. Suggested projects: 1) Decorate a room! Start with calculating square footage for wallpaper or paint, calculate the material needed for sewing the drapes, order and position furniture, and get creative! 2) Design a new cabinet layout for your kitchen, including calculating cabinet dimensions, appliance positioning, and budgeting project costs. 3) Design and/or build something like a drop desk, playground swing set, or a go-cart. 4) Use measurement to complete a baking or sewing project. 4) Do all the preparations for a dinner party, including the planning, shopping, seating arrangement, cooking, etc. 5) Play the stock market: try paper trading some stock and tracking them for a week, a month, or longer.

Article Source: <http://EzineArticles.com/318673>

SECONDARY ENGLISH LANGUAGE ARTS

ONLINE RESOURCES:

Website: <http://learning.blogs.nytimes.com/>

Topic(s) Covered: ELA Reading Informational Text

Grade Level: 6-12

Description: This online resource includes NYTimes articles and suggested text-dependent questions and sample lesson ideas. “How to Use this Blog” gives a helpful summary: <http://learning.blogs.nytimes.com/2012/09/04/twelve-ways-to-use-our-blog-this-school-year/>

Website: <http://www.folger.edu/template.cfm?cid=618>

Topic(s) Covered: Shakespeare

Grade Level: 9-12

Description: Folger Education offers online resources for teachers, including lesson plans, study guides, videos, and more.

Website: <http://www.americanrhetoric.com/top100speechesall.html>

Topic(s) Covered: Rhetoric

Grade Level: 11-12

Description: This resource provides transcripts and original video footage of famous American speeches.

Website: <https://owl.english.purdue.edu/owl/resource/677/01/>

Topic(s) Covered: Writing

Grade Level: 7-12

Description: This Online Writing Lab (OWL) at Purdue University houses writing resources and instructional material, for in-class and out-of-class instruction.

- Lessons for the Writing Process are recommended for 6-8.
- Writing a Research Paper is recommended for 9-10.
- Rhetoric and Logic section is recommended for 11-12.

Website:

<http://schools.nyc.gov/Academics/CommonCoreLibrary/CommonCoreClassroom/TeacherResources/default.htm>

Topic(s) Covered: General Instructional Resources for Teachers

Grade Level: K-12

Description: A collection of links for websites that help teachers develop Common Core-aligned lessons from NYC DOE’s Common Core Library.



Website: <http://www.teachers.net/>

Topic(s) Covered: All subjects

Grade Level: K-12

Description: A general resource for finding lesson plans.

Website: <http://engageny.org/resource/curriculum-exemplars>

Topic(s) Covered: ELA, Close Reading of Complex Text

Grade Level: 3-12

Description: This website includes downloadable lessons by grade developed by the State Education Department.

Website: <http://www.ncte.org/>

Topic(s) Covered: ELA

Grade Level: K-12

Description: This website is an online resource from the National Council of Teachers of English for developing ELA curriculum.

Website: <http://teachers.usd497.org/kgrinnel/3levelsofquestions.htm>

Topic(s) Covered: Close Reading Strategy

Grade Level: 6-12

Description: This website includes a description of a reading strategy to help students create their own discussion questions.

Website: https://www.teachingchannel.org/videos?categories=subjects_english-language-arts

Topic(s) Covered: All Subjects

Grade Level: K-12

Description: This website includes a collection of close reading strategies.

Website: ARIS (<http://arisnyc.org>)

Topic(s) Covered: Designing Text Dependent Questions

Grade Level: K-12

Description: Institute For Learning at Stanford University's resource for crafting Text Dependent Questions. It is available on ARIS: search for "Post Test Guidance for Literacy" and follow the link at the end of the document.

Website:

http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CDEQFjAB&url=http%3A%2F%2Fwww.readwritethink.org%2Ffiles%2Fresources%2Flesson_images%2Flesson290%2FTemplate.pdf&ei=4JmSUIfaLKSQ0QGB_oGQAg&usg=AFQjCNEtxEWIfwaKeAP0wJnMFDZGAoLy6g

Topic(s) Covered: Close Reading Strategy

Grade Level: K-12

Description: GIST graphic organizer strategy for understanding informational texts.

Website: <http://wvde.state.wv.us/strategybank/Somebody-Wanted-But-So.html>

Topic(s) Covered: Close Reading Strategy

Grade Level: K-12

Description: “Somebody Wanted But So” strategy for understanding literary texts.

OFFLINE RESOURCES:

Resource: Classroom Library

Topic(s) Covered: Independent Reading

Grade Level: 6-12

Description: *Pajama Day Read-a-thon:* Students are challenged to sustain their silent reading for set time intervals and are awarded tickets when they maintain focus. During the sustained silent reading time, turn-and-talk breaks can be incorporated as a check for understanding. Teachers (families) set up snack stands of pretzels, water, etc. for students during break times and students may use their tickets to secure more preferable snacks. A raffle might also be included for students’ earned tickets.

Resource: Newspapers

Topic(s) Covered: Reading Informational Text

Grade Level: 6-12

Description: *Newspaper article club:* Teachers group students into groups of 4-6 and equip each group with a recent newspaper article. Ideally, the teacher will use several articles on the same topic from different newspaper sources/perspectives and re-group students multiple times. This way, students are exposed to varied perspectives. Other suggestions include: chart essential facts, illustrate, write summaries, rewrite the article from another viewpoint, compose a formal letter to the individuals featured in the article, or contrast the types of information presented by news reports, online sources, blogs, twitter, or personal narrative.



Resource: Chart paper, Venn diagram hand out

Topic(s) Covered: Pre-writing strategy for Informational Writing

Grade Level: 6-12

Description: *Personal or Partner 'Same-but-different' Compare/Contrast Narrative:* Using a Venn diagram, students are paired as writing partners to brainstorm their hurricane experience. Ideally, students create three Venn diagrams: Waiting for the storm, during the storm, and the aftermath. Students utilize their graphic organizers to craft a compare/contrast narrative of their experience of the hurricane with their partner. Pairs become a group of four for editing and revision. Once students complete their partner narrative, students are arranged in small 'listening' groups to share their stories with others.

SECONDARY SOCIAL STUDIES

ONLINE RESOURCES:

Website: http://www.corestandards.org/assets/Appendix_B.pdf

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Provides grade level text exemplars in a variety of text structures (poetry, information text, story, etc.). Teachers can choose a text from this list to complete a close reading or provide information on historical content. They can use multiple texts to address how an era is described from a variety of perspectives.

Website: <http://schools.nyc.gov/Academics/CommonCoreLibrary/default.htm>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Includes a variety of Common Core-aligned units, tasks, activities and instructional resources.

Website: <http://www.teachtci.com/>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Teachers can start a free 30 day trial of any curriculum. Within the trial are downloadable lesson plans, activities, texts, student handouts, etc. for a variety of historical topics.

Website: <http://www.archives.gov/education/lessons>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Contains reproducible copies of primary sources from the holdings of the National Archives of the United States, teaching activities correlated to the National History, Civics, and Government standards, as well as cross-curricular connections.

Website: <http://www.politico.com/>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Contains a variety of op-eds and articles related to the election. It also includes a “polling center” that tracks voting polls and connects to the Electoral College voting system. Teachers can use poll data to shade and count possible electoral votes on a map of the U.S.

Website: <http://www.streetlaw.org/en/landmark.aspx>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Contains detailed readings and analysis of landmark Supreme Court cases, in addition to summaries of each at three differentiated reading levels. The site includes teaching strategies and activities for each case.

Website: <http://learning.blogs.nytimes.com/2012/10/30/teaching-hurricane-sandy-ideas-and-resources/>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Provides various documents and activity suggestions on ways to address the hurricane within social studies content.

Website: <http://www.nysedregents.org/GlobalHistoryGeography/>

Topic(s) Covered: Global History

Grade Level: 9-12

Description: Includes an archive of Regents exams, rating guides, and conversation charts. Teachers can instruct students to complete parts of an exam and score their results in multiple-choice or DBQs. Teachers can also address students' writing by examining exemplar essays at each "rating level" and analyzing differences between the ratings. Students can practice critical analysis by reading one of the norming essays and using the rubric to score it.

Website: <http://www.nysedregents.org/USHistoryGov/home.html>

Topic(s) Covered: US History and Economics

Grade Level: 9-12

Description: Includes an archive of Regents exams, rating guides, and conversation charts. Teachers can instruct students to complete parts of an exam and score their results in multiple-choice or DBQs. Teachers can also address students' writing by examining exemplar essays at each "rating level" and analyzing differences between the ratings. Students can practice critical analysis by reading one of the norming essays and using the rubric to score it.

Website: <http://www.regentsprep.org/>

Topic(s) Covered: US History, Government, Global History

Grade Level: 9-12

Description: Contains topic summaries, sample multiple-choice questions, and sample essays on content in both Regents courses. Students can complete multiple-choice questions or essays, or create visuals (political cartoons, comics, etc.) from the written topic summaries.

Website: <http://www.oercommons.org/>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Features a subject-specific searchable database of lessons, activities, and instructional resources.

Website: <http://www.pbs.org/teachers/classroom/9-12/social-studies/resources/>

Topic(s) Covered: US History, Government, Global History, Economics

Grade Level: 9-12

Description: Contains a subject-specific searchable database of lessons, activities, and instructional resources.

Website: <http://learning.blogs.nytimes.com/2012/10/31/teaching-the-election-in-the-final-week-bellwethers-unicorns-and-attack-ads/>

Topic(s) Covered: 2012 Presidential Election

Grade Level: 6-12

Description: Includes a set of instructional resources, such as materials, activities, and links to other election websites focused on the 2012 Presidential Election.

Website: http://www.pbs.org/newshour/extra/teachers/lessonplans/politics/vote2012/adlibs_10-11.html

Topic(s) Covered: Campaign Advertisements

Grade Level: 6-12

Description: In addition to the Mikva Elections lesson about Deconstructing Campaign Messages, the PBS NewsHour offers a lesson that gets students thinking about how candidates choose words and images to send messages to voters. Click the link to redirect to that activity and to view an activity that helps students create their own ads using Facebook.

Website: <http://elections.nytimes.com/2012/electoral-map>

Topic(s) Covered: Electoral Map

Grade Level: 6-12

Description: Features activities focused on the U.S. electoral map.

Website: http://www.pbs.org/newshour/extra/features/us/jan-june12/pacs_01-26.html

Topic(s) Covered: Super PACS

Grade Level: 6-12

Description: Website addressing Super PACS through activities, resources, and worksheets.

Website:

http://www.cfr.org/publication/publication_list.html?groupby=4&type=backgrounder&filter=37&co=C039101\Civics

Topic(s) Covered: Presidential Campaigns

Grade Level: 9-12

Description: Features short summaries of Presidential Candidates' positions on major foreign policy issues.

Website: http://www.centerforactioncivics.org/site/files/963/122146/411514/565724/Why_Should_I_Care.pdf

Topic(s) Covered: Community Change

Grade Level: 6-12

Description: This lesson is meant to spark a conversation among your students about whether or not they should be trying to make a difference in their communities.

Website: http://www.nytimes.com/2011/11/06/opinion/sunday/telling-americans-to-vote-or-else.html?_r=0

Topic(s) Covered: Mandatory Voting

Grade Level: 6th-12th Grades

Description: Should Americans be REQUIRED to vote? As students gear up to campaign for their candidate of choice, consider using William Galston's recent piece in the NYTimes to inspire class discussion. Students can debate the potential advantages and drawbacks of such an idea and how it might change the nature of campaigning as we know it.

Website: <http://picturinghistory.gc.cuny.edu/mtr.php>

Topic(s) Covered: US History

Grade Level: 6-12

Description: CUNY's online curriculum includes units, lesson plans, activities, and associated resources.

Website: <http://magazines.scholastic.com/election-2012>

Topic(s) Covered: 2012 Election

Grade Level: 6-8

Description: This website includes lesson plans, parent guides, online polls, games, and articles.

Website: http://education.nationalgeographic.com/education/teaching-resources/?ar_a=1

Topic(s) Covered: Geography

Grade Level: 6-12

Description: This website includes teacher resources focused on five themes of geography in National Geographic.

OFFLINE RESOURCES:

Resource: Textbook, magazines, or newspapers

Topic(s) Covered: US History, Global History, Government, Economics

Grade Level: Middle School/Beginning High School

Description: Teachers can collect 3 or more sources on the same content or topic and have students analyze the ways in which one historical event is presented differently across the different sources.

Resource: Atlases

Topic(s) Covered: US History, Global History, Government

Grade Level: Middle School/Beginning High School

Description: Students can work in pairs to create clues to a location using a variety of maps within an atlas (i.e. this location has a humid climate, low population density, and the land is primarily used for agriculture). Pairs can switch clues to "find" each other's locations.

Resource: Relocated Room

Topic(s) Covered: US History, Global History, Government

Grade Level: Middle School/Beginning High School

Description: Students can “research” the room to which they have been relocated as if they are an anthropologist or archeologist. Teachers can provide some background information on these jobs if necessary. Students can document what they see and make conclusions about what is studied in this place, how it is studied, etc.

Resource: Paper, Markers/colored pencils/crayons

Topic(s) Covered: Ancient Civilizations & Geography

Grade Level: 6

Description: Create a hidden treasure map - 'x' marks the spot! Be sure to include a key/legend, appropriate symbols, title, geographic features (land and water). If students are currently studying an ancient civilization, they may choose to incorporate features from that society (such as coliseum, pyramid, etc.)

Resource: Paper, scissors

Topic(s) Covered: US History

Grade Level: 7

Description: There were many developments that led to the American Revolution. In this activity, students trace and cut out the shape of several feet. On the feet, and using textbooks or sourcebooks, students list and illustrate the 'steps' toward revolution (Stamp Act, Boston Massacre, etc.) After students create and follow the steps toward Revolution, conduct a Socratic seminar or mini-debate centered on questions such as: What was the leading cause of the conflict between the Colonies and the British government? Whose rights were the Revolutionaries seeking to protect: all people living in the colonies, or certain groups? In what ways were the British justified in fighting to retain their power over the American colonies?

Resource: Newspapers

Topic(s) Covered: Current Events

Grade Level: 6-12

Description: Students analyze articles in different newspapers in groups or individually. They can summarize, note opinion vs. fact, and develop further questions. Students can complete analysis using group work activities such as: collaborative strategic reading and reciprocal reading. These can be modified to direct students to create further questions for investigation and hone in on a singular issue. Finally, students develop an overarching topic and question to investigate. Sample topics include Presidential Elections and Impact of Hurricane Sandy. Sample questions include:

- 1) How are the presidential candidates approaching our society's most significant problems?
- 2) How is the hurricane impacting people's lives?
- 3) How does the presidential election affect the people of the NY region?

Resource: Scholastic, Educational Newsletters

Topic(s) Covered: Current Events

Grade Level: 6-12

Description: What issues are they highlighting? Summarize and provide opinions. Make connections between these issues and the overarching issue on which you are focused.



Resource: Video of Presidential Debates

Topic(s) Covered: Current Events

Grade Level: 9-12

Description: Students watch one of the three presidential debates. Teacher leads students in identifying topics debated. Students formulate and argue their own positions on issues debated. Students who are interested can run for office and class can hold mock elections.

Resource: Final Election Results

Topic(s) Covered: Current Events

Grade Level: 6-12

Description: Direct students to write a five-paragraph essay describing what they believe the result of the presidential election will mean for average Americans. Essay should include an introduction, three support paragraphs, and a conclusion. These essays can be the basis of a class discussion on whether the United States will be better or worse off under the newly-elected administration.

SECONDARY SCIENCE

ONLINE RESOURCES

Website Address: <http://www.sciencenewsforkids.org>

Topics Covered: All science areas

Grade Level: Middle School/Beginning High School

Description: This website provides access to contemporary research publications that were adapted by scientists so the research is accessible at the middle school/beginning high school reading level. Articles are sorted by content and many also come with a list of topic-specific vocabulary words and discussion questions to use before, during, and after a reading. There are interdisciplinary discussion questions, and many articles are rich with graphics.

Website Address: <http://www.sciencedaily.com>

Topics Covered: All science areas

Grade Level: 9-12

Description: This website takes reports from science journals and summarizes them at a high school reading level. There are no explicit scaffolds for the articles, but clicking on one article links to additional articles on the same topic on the right side of the screen. Teachers can easily generate a list of related content-based articles for students to use in groups and jigsaw their findings.

Website Address: <http://phet.colorado.edu/>

Topics Covered: All science areas (and some math)

Grade Level: 6-12

Description: This website contains Java-based science sandbox simulations across content areas. These simulations are open-ended and interactive, allowing students to manipulate a number of variables in order to understand a science principle. There are lesson plans for most of the simulations, but some lessons and suggested labs do require significant preparation.

Website Address: <http://learn.genetics.utah.edu>

Topics Covered: Living Environment

Grade Level: 9-12

Description: This website features a thorough integration of content text and multimedia resources. It contains a library of printable lesson plans and the manipulatives necessary to create inquiry-based, hands-on science lessons. The manipulatives do require common supplies such as scissors, markers, etc. There is a lot to sort through so it may take some time to decide which lessons make the most sense for your classroom.

Website Address: <http://everythingscience.co.za>

Topics Covered: Physics and Chemistry

Grade Level: 9-12

Description: This site contains free online textbooks that cover physics and chemistry topics. The textbooks can be downloaded and portions can be printed if each student does not have computer access. Please note: because the textbooks were not written in the United States, some differences appear in these texts (i.e. they use commas (,) in place of periods (.) for decimal points).

Website Address: <http://www.physicsclassroom.com/Class>

Topics Covered: Physics

Grade Level: 6-12

Description: This website has organized text, multimedia content, and problem sets around topics in physics. The website also provides teaching guides for how to use each content section in the classroom. This website is most useful with access to a class set of computers, or at least enough computers so that students can work in pairs or small groups, because much of the online material is self-guided.

Website: <http://www.ck12.org>

Topics Covered: All science areas

Grade Level: Primarily High School, some Middle and Elementary School

Description: This website is free to sign up and provides science textbooks that can be accessed on- or offline. The online textbooks have links to videos and other multimedia materials that help illustrate concepts. Students can also sign up to use the quiz system to check for understanding after reading a particular section. Please note: the site may take some time to navigate.

Website: <http://www.lightandmatter.com>

Topics Covered: Physics and Calculus

Grade Level: Advanced High School

Description: This website provides free downloaded textbooks that can be used as the anchor text for creating lesson plans in physics or calculus. Texts are most suitable for advanced high school classes or beginning college classes, and may be most helpful as a source for differentiating text for accelerated students.

Website: <http://www.hippocampus.org>

Topics Covered: All science areas

Grade Level: 6-12

Description: This website has well-structured science content presentations organized by content area and topic. This website can serve as a multimedia resource to construct lessons or serve as a resource for students that may be struggling. Access to individual computers/headphones would be helpful. This site also includes some interactive simulations, test prep ideas as well as transcripts of the audio of the visual presentations.

OFFLINE RESOURCES

Understandably many teachers and students will be displaced from their regular locations and normal classroom science supplies will be out of reach for hands-on learning. The following guidance is meant to provide opportunities for students to continue to engage in scientific thinking skills even though manipulatives and laboratory resources may be temporarily unavailable. These suggestions may require you to have access to the internet, but will not necessarily require students to have access.

Website: <http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

Topics Covered: Varies by grade

Grade Level: 6-12

Description: These units have a mix of texts, writing tasks, and science activities that help students develop a deeper understanding of the topic. Units can be downloaded and texts can be copied for use in the classroom. On the left side of the screen, select your *grade* and *science* as filters. You will find the units listed below. *Note: it may be necessary to supplement lessons outlined in the unit as these units were specifically designed to target the literacy standards for science as described in the Common Core.*

- Grade 6 Literacy: Can Animals Think?
- Grade 7 Science Texts and Task Set: Properties of Light
- Grade 8 Literacy in Science: Straw Rockets
- Grade 8 Literacy in English Language Arts: Economics and the Environment
- Grade 9 Science Texts and Task Set: Homeostasis and Immunity
- Grade 9-10 Literacy in Science: Vertical Farming
- Grade 11 Interdisciplinary Texts and Task Set: Nuclear Energy

Website: <http://www.whitehouse.gov/energy> and <http://www.mittromney.com/issues/energy>

Topics Covered: Varies depending on subject

Grade Level: 6-12

Description: With the presidential election just days away, the candidates have offered their general stance on energy policy for the United States. There are articles in the NY Science Times, Washington Post, CNN, US News, and the candidates own websites that can be used to analyze the environmental impact of each candidate's energy policy. These articles can help to illustrate show how science can be applied to policy.

Website: <http://www.nsta.org>

Topics Covered: All

Grade Level: 6-12

Description: NSTA provides access to current issues in science as well as classroom ideas and web news digests that can be springboards for lessons in grades 6-12.



Resource: Textbooks

Topics Covered: All

Grade Level: K-12

Description: Although teachers may not have access to their own sets of textbooks, science texts at the current location will have activities students can complete with common materials. Many textbooks are also offered online.