Brookdale Education Networks
Professional Development for K-12 Teachers 2014-2015

Bright Ideas:
- Engage
- Inspire
- Innovate!

BROOKDALE
Membership has never been a smarter decision. Brookdale Networks are a budget savvy investment providing essential teaching tools in a constantly changing environment. Districts pay a flat fee (see page 22) for an extensive menu of top tier, day-long workshops.

Brookdale’s Center for Teaching Excellence programs include:

- **Math/Science** Network; essential CCS skill-building, immediate hands-on uses
- **Literacy** Connection; newly developed CCS/performance targeted workshops
- **Technology** Education Network; classroom-strengthening strategy sessions

**Big results. Small dollars.** Network membership provides high quality, cost effective solutions for area school districts’ professional development needs. Districts pay a flat fee and receive admission to an extensive menu of day-long workshops as well as added membership benefits.

The Center for Teaching Excellence is a registered New Jersey Professional Development provider. Each contact hour equals one CEU. CCSS’s goal to align expectations for student achievement with the demands of college and 21st century careers requires that teachers be prepared to implement demanding change. Brookdale’s CTE workshops are developed to support and energize the skilled instruction CCSS require.

**We are pleased to present the 2014-2015 Network schedules for education professionals. Expect to find an outstanding line-up of innovative programs.**

- Linda C. Martin
  Director, Community Outreach
- Molly Cauterucci
  Coordinator of Literacy Programs
- Jennifer Martins
  Coordinator of Math Programs
- Karen Sandoz
  Coordinator of Technology Programs
- Kate Hope
  Coordinator of Science Programs
- Barbara Devine, bdevine@brookdalecc.edu
  Program Assistant, 732-224-2394
# Brookdale Education Networks

## 2014-2015

## TABLE OF CONTENTS

1. Special Programs.................................................................Pg. 3
2. Literacy Workshops..............................................................Pg. 4
3. Technology Workshops.......................................................Pg. 8
4. Math/Science Workshops.....................................................Pg. 12
5. Wall Campus Directions.......................................................Pg. 20
6. Emergency School Closings/Delayed Openings................Pg. 21
7. Commitment Forms..............................................................Pg. 22
8. 2014-2015 Workshop Calendar........................................Pg. 24
Special Programs

**Aspiring Leadership Conference**

Date: December 5, 2014  
Time: 9:00 am to 2:00 pm  
Location: Lincroft Campus, Student Life Center

For teachers who aim to develop on the job leadership potential. Learn what is required to be an administrator. Examine research and statistics on educational leaders at the national and local level. Learn about administrative challenges and explore pathways to a variety of leadership positions, including the principalship and central office administration.

Participants will hear from seasoned administrators at all levels on issues including the “do’s & don’ts of being a leader” and “the buck stops here.” Participants will learn the requirements for implementing building and district systems and structures for change to meet the demands of Common Core implementation. Explore your own leadership potential and learn from an expert panel.

Keynote Presenter: Dr. Denise M. Lowe, All Children Can Learn, LLC  
Complete program description and panel member bios available August 15th  
Member fee: $39, Non-member fee: $59  
To register, call Barbara 732-224-2394

---

**The Big Read 2014**

Join this year's Big Read! This dynamic, community-wide initiative is designed to encourage reading and participation by diverse audiences. Thousands of readers of all ages across Monmouth County will join together to discuss and celebrate *In the Time of the Butterflies*, by Julia Alvarez. We’ll host book discussions exploring topics of human rights and freedom, as well as lectures, film, culture, and music at various locations. For details call Brookdale’s Chhange (Center for Holocaust, Human Rights & Genocide Education) 732-224-1889
Literacy Network

8 Full Day Workshops

Program 1:  Gaming the System
Friday, October 10, 2014  9:00 am to 3:00 pm
In Gaming the System, participants will learn the low-tech secrets used by high-tech companies to promote innovation and solve difficult problems: in short, exactly those things we’d like our students to do! The secrets of Game Spaces and Game Theory will be explored and applied to both the classroom and the staff room to develop more meaningful, purposeful, productive, and engaging learning environments for everyone! This will be a hands-on workshop. Participants are encouraged to bring lesson ideas as well as professional challenges that can be explored in the Game Space.

Target Audience: Grades 4-8
Instructor:  Bruce Preston, Regional Director of Curriculum and Instruction, West Long Branch School District

Program 2:  Dare to be Different! Techniques for Differentiation in an Early Childhood Classroom
Friday, November 14, 2014  9:00 am to 3:00 pm
Twenty kids in a classroom means twenty different types of learners! If that sounds totally overwhelming, this workshop is for YOU! Student teachers, new teachers, experienced teachers....come put your mind at ease! Through this workshop, you will learn the benefits of differentiating for content, process, and product. Discover innovative, yet practical techniques to help make your literacy lessons fit the specific needs of all your students. Learn how to set up your classroom effectively, create and implement meaningful centers, and set appropriate student goals. Walk away feeling revived and confident about differentiation!

Target Audience:  PreK-2
Instructor:  Mrs. Kathleen Stigliano, M.S. Ed, LDT-C (Preschool Inclusion Teacher in the Oceanport School District)
Program 3: “Back to the Future”  
Friday, December 12, 2014  9:00 am to 3:00 pm  
Part I of this workshop will explore how America’s past connects to the future through a selection of classic literature that reflects the decades from the 1930’s-1960’s. We will explore strategies that will enable students to evaluate text from the speaker’s point of view and analyze key elements and ideas that define the social scene in which the character is living. Based on the analysis, students will learn to craft essays exploring how attitudes have changed in 2014. In Part II, participants will explore ways to develop interdisciplinary curriculum about gender and cultural influences on society through the use of sports and fashion. The strategies promote higher order thinking skills and are specific to culture and gender and how specific language for the creative writing process is effectively implemented.  
**Target Audience:** Grades 9-12  
**Instructor:** Gilda Rogers, Writing Instructor, Brookdale Community College

Program 4: Authenticating the Standards in our ELA Classrooms  
Friday, January 9, 2015  9:00 am to 3:00 pm  
A comprehensive training for educators to better understand and utilize the Common Core for English Language Arts, grades 6-12. Presenters will provide practical pedagogical approaches to better implement the Standards, helping life rigor and enhancing students’ depth of knowledge. Special focus will be on how to use the Standards, daily, to best prepare students for the challenging world of PARCC. ELA teachers of all experience levels are welcomed to attend this workshop and leave with valuable resources for years to come.  
**Target Audience:** Grades 6-12  
**Instructor:** Deirdre Bova, Supervisor of English & ESL, Freehold Regional High School District, Colts Neck and Howell

Program 5: Enhancing Fluency through Meaningful Experiences  
Friday, January 23, 2015  9:00 am to 3:00 pm  
Do you wish your students could read with the ease that they sing the lyrics to their favorite songs? This workshop will explore various aspects of fluency with easy to implement and fun strategies to make fluency attainable for all! Multiple intelligences will be addressed as ways to
make your students want to read more fluently is taught without students even thinking they are learning. This workshop is geared towards grades K-4, but many of the strategies and techniques are appropriate for ESL learners and students with special needs of all ages.

**Target Audience:** K-8

**Instructor:** Gretchen L. DeWynGaert, Special Education Teacher, Marlboro Township School District

---

**Program 6: Digital Storytelling in the LAL Classroom**

Friday, February 6, 2015 9:00 am to 3:00 pm

Digital literacy is as integral to our students’ success as Language Arts Literacy. Digital Storytelling is an effective way to address both of these academic necessities while preparing students for workplace demands of the 21st Century. In this hands-on workshop, we will explore how to utilize free, powerful software to inject Project-Based Learning into your instruction and engage your digital native students. Backed by research and aligned with standards, Digital Storytelling is growing in popularity across several disciplines. Upon completion of this workshop, you and your students will be using technology, including the Internet, to produce, publish content, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.

**Target Audience:** Grades 4-8

**Instructor:** Chris Ippolito, Teacher of Digital Photography and Digital Media Design at Ocean Township High School

---

**Program 7: How to Utilize the Co-Teaching Model to Differentiate Instruction and Teach to the Common Core**

Friday, March 13, 2015 9:00 am to 3:00 pm

A co-teaching model of shared responsibility and leadership enables teachers to take the time needed to develop curriculum together around the common core, teach the core concepts and procedures through a variety of teaching and learning strategies, and allow more time for conferencing. This interactive workshop will demonstrate how to use the co-teaching model in your literacy classes as well as how to facilitate content literacy in other subjects.

**Target Audience:** Grades 4-8

**Instructor:** Cory Radisch, Principal, Matawan Aberdeen Middle School
Program 8: Using Formative Assessment and Reading Comprehension Tools to Increase Student Success
Friday, May 15, 2015 9:00 am to 3:00 pm

Formative Assessment is an ongoing process of collecting evidence of student learning in order to inform teaching and learning. Formative assessment allows teachers to identify students’ learning progressions, informs intervention and enrichment needs of individual learners, and provides timely data, which offer opportunities for teachers to modify their instruction. This workshop is intended to take an in-depth look at some effective tools to use in your classrooms to create and use effective assessments struggling readers. The afternoon session will focus on skills and activities to help students be better readers in your class. The format of the day will be interactive and hands-on. Participants will learn a variety of effective practices and leave with plenty of ideas and activities.

Target Audience: Grades 6-12

Instructor: Dr. Meg White, Assistant Professor, Teacher Education, The Richard Stockton College of New Jersey
Technology Network

10 Full Day Workshops

Program 1:  Web Based Tools in the Classroom (Voki, Prezi, Edmodo, and More)
Thursday, October 16, 2014                                            9:00 am to 3:00 pm
Digital literacy is integral to our students’ success in the workplace of the 21st Century. In this hands-on workshop, we will explore how to utilize FREE, powerful software to inject Project-Based Learning into your instruction and engage your digital native students. Upon completion of this workshop, you and your students will be using technology, including the Internet, to produce, publish content, take advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.

Target Audience: Grades K-12
Instructor: Chris Ippolito, Teacher of Digital Photography and Digital Media Design at Ocean Township High School

Program 2:  Teaching Effective Research Strategies Using Digital Tools
Thursday, October 23, 2014                                            9:00 am to 3:00 pm
The Common Core Standards require students in grades 5-8 to complete short research projects. This workshop will focus primarily on ways to use digital tools to assist with planning, gathering information, and completing these projects. We will explore to use of online resources, collaborative tools, citation machines, and presentation tools. This will be hands-on workshop. Note to Participants: Please come prepared with a possible topic or project for your students.

Target Audience: Grades 5-8
Instructor: Angel Somers, Media Specialist, West Long Branch Public Schools
Program 3:  4 More Great Ways to Use Google in Education
Thursday, November 13, 2014 9:00 am to 3:00 pm
Imagine….creating a portfolio of your students writing pieces (instead of printing all of those pages to create booklets) – Google Sites. How about having a system of posting daily homework so the students never miss an assignment – Google Calendar? Did you ever have your students use the Internet to research topics, but keep catching them use sites like Wikipedia delivering unreliable sources? Narrow their searches by eliminating certain sites – Google Search. Conduct surveys to use in graphing projects or self-assessments – Google Forms. This workshop will give ideas and hands on creation of invaluable tools you can take back to your Google classroom.

Target Audience: Grades K-8
Instructor: Kim Brown, Computer Teacher, Pond Road Middle School

Program 4:  Google Tools for Education - Beginner
Thursday, November 20, 2014 9:00 am to 3:00 pm
Introductory/Beginner workshop for Google Apps for Education. Topics will include Google Drive, Gmail, Docs, Permissions, Video, Voice and Chatting. Participants will have hands-on practice with the tools and learn how they may be used in the classroom setting for instruction, planning and collaboration. See how Google Tools can transform your teaching and your classroom! Prerequisite – participants should come to workshop with a Google gmail (Gmail) account.

Target Audience: Grades K-12
Instructor: Frank Simonelli, Training Instructor/Application Specialist

Program 5:  Universal Design for Learning and Technology: Meeting the Needs of All Students
Thursday, December 4, 2014 9:00 am to 3:00 pm
This workshop will focus on how technology can help support our diverse learners in all grade levels and content areas. We will examine how the Universal Design for Learning Framework is being used to plan for the needs of all learners (i.e. regular ed/special ed, accelerated, English Language Learners, etc.) and reduce barriers without lowering the bar. Come and explore how technology can provide options for instruction and multiple means for representing concepts, engaging diverse learners, and various means of student expression of understanding. Most of the applications will be free and available to use on various devices. **Computers will be
provided; participants are encouraged to also bring their own devices (smartphones, iPads/tablets, laptops, etc.) and headphones with microphone to be able to fully explore the potential of the technology tools.

**Target Audience:** Grades K-12

**Instructor:** Kristine Scharaldi, Educational Technology Consultant

---

**Program 6: The Future of Education is Game-Based Learning**

Thursday, December 11, 2014 9:00 am to 3:00 pm

Instead of a Powerpoint, have your students demonstrate proficiency by designing their own video game! Whether you are teaching fractions, gravity, grammar, or The Revolutionary War engage your students in a new way by teaching them to design and create their own video games. Not only will students enhance comprehension, but games can be used to teach their peers and differentiate instruction. Strategies can be applied to any grade, subject or ability levels. Participants will learn research-based theory and create a game prototype for their students using software created by Black Rocket.

**Target Audience:** Grades K-12

**Instructor:** Richard Ginn, Black Rocket Productions

---

**Program 7: The Flipped Classroom: Transforming your Teaching**

Thursday, January 22, 2015 9:00 am to 3:00 pm

Have you heard the latest buzz about flipping your classroom and blended instruction – lectures at home and homework in class? Explore this new method of teaching that is radically changing how we think about traditional education. You will explore alternatives to your current teaching methods and strategies that empower and revive the students you teach. This course will introduce you to the basics of how to create, engage and manage a blended or flipped classroom model in any content area. You will learn applications and platforms that can be integrated into this model. Portable devices such as iPads, Chromebooks and tablets are welcome so please feel free to bring your own.

**Target Audience:** Grades 5-12

**Instructor:** Amy Caruso, Mathematics Teacher, West Long Branch Schools

---

**Program 8: Plowing Past PowerPoint: Enhancing Student Presentations in the Classroom**

Thursday, February 5, 2015 9:00 am to 3:00 pm
Are you bored of book reports? Tired of tri-fold poster presentations? Find yourself dozing during yet another student created PowerPoint? Then this is workshop for you! By learning about new ways for students to present their work, you and your students will regain an excitement for learning as audiences are educated and entertained. By attending this workshop you will gain exposure to and practice using a variety of Web 2.0 tools for creating and presenting student work. This workshop is geared toward elementary and middle school teachers. Teachers across all disciplines and from all grade levels will be able to walk away with something new to bring into the classroom tomorrow. Computers will be provided, and participants may also bring their own devices and headphones/microphones to fully explore the tools that are presented.

**Target Audience:** Grades K-8  
**Instructor:** Marla Weinstein, Elementary Technology Specialist

---

**Program 9: Technology Tools to Support Project Based Learning, Collaboration, and Student Inquiry**  
**Thursday, March 5, 2015**  
**9:00 am to 3:00 pm**

This workshop will focus on how technology can support problem and project-based learning across all grade levels and content areas. Through a variety of free and paid applications teachers and students may curate, store, and utilize multimedia resources. See how students may collaborate and produce digital products that can be shared online. Many examples and resources will be provided! Come and explore how technology can support student inquiry and creativity! **Computers will be provided:** participants are encouraged to also bring their own devices (smartphones, iPads/tablets, laptops, etc.) and headphones with microphones to be able to fully explore the potential of the technology tools.

**Target Audience:** Grades K-12  
**Instructor:** Kristine Scharaldi, Educational Technology Consultant

---

**Program 10: Ripped From the Headlines and Applied to Your Classroom**  
**Thursday, March 12, 2015**  
**9:00 am to 3:00 pm**

The CCSS call for the audition of high-interest literary and informational nonfiction in middle school and secondary classrooms. How can teachers use nonfiction to complement literature, rather than replace it? This workshop will focus on matching literature with current events to engage students using free online resources, like The New York Times Learning Network, to help.

**Target Audience:** Grades 6-12  
**Instructor:** Sarah Mulhern Gross, English Teacher, High Technology High School
Math/Science Network

20 Full Day Workshops

Program 1: Project WET Curriculum Guide Workshop
Wednesday, October 1, 2014 9:00 am to 3:00 pm
The Project WET Curriculum and Activity Guide 2.0 is a collection of 64 science-based, interdisciplinary activities and lesson plans that are teacher-tested and classroom ready for K-12 students. Designed with a commitment to meeting educational standards, Project WET activities use the vital importance of water to cover diverse topics and disciplines. Activities with names such as “The Incredible Journey,” “Pass the Jug,” “Macro-invertebrate Mayhem,” describe lessons that are sure to pique student interest and make learning fun. This guide is only available to educators who participate in a six-hour Project WET Workshop. The lessons in this guide are correlated to the NJ Core Curriculum Content Standards. In addition, workshop participants learn about an amazing array of supplementary educational materials that focus specifically on New Jersey’s water resources.

Target Audience: Grades K-12
Instructor: Jeff Hoagland, Education Director, Buttinger Nature Center

Program 2: Making Sense of the Common Core Fraction, Number Sense, and Operations Standards
Tuesday, October 7, 2014 9:00 am to 3:00 pm
Examine the content of the Common Core Standards for Mathematics. Activities will focus on the increased emphasis on the number sense and fractions, and how teachers convey this content to their students. All materials will be provided so that teachers can do the activities in their own classrooms immediately upon returning to school.

Target Audience: Grades 3-5
Instructor: Jane Hannon, Elementary Math Specialist, NJ ASK Testing Committee Member
Pat Fowler, Elementary Math/Science Teacher, Retired

Program 3: “They Will Never Let us Do That In School!” Meet the Common Core State Standards for Mathematics through Video Game Design
Tuesday, October 14, 2014                                       9:00 am to 3:00 pm
The more time students spend on task and apply knowledge, the deeper their connection to
concepts and the longer their retention. Children spend 10,000 hours playing video games by
the time they reach 12th grade, roughly the same amount of time they spend in the classroom.
Find out how to use the most powerful medium of all time, video games, to meet the Common
Core and to improve student retention and mastery. Participants will learn game theory, create
a game concept to use in class, and build a prototype for a game using software created by
Black Rocket.
**Target Audience:** Grades 3-10
**Instructor:** Richard Ginn, Black Rocket Productions

---

**Program 4: “They Will Never Let Us Do That in School!” Meet the Common Core Science Standards through Video Game Design**

Wednesday, October 15, 2014                                    9:00 am to 3:00 pm
The more time students spend on task and apply knowledge, the deeper their connections to
concepts and the longer their retention. Children spend 10,000 hours playing video games by
the time they reach 12th grade, roughly the same amount of time they spend in the classroom.
Find out how to use the most powerful medium of all time, video games, to meet the Common
Core and improve student retention and mastery.
**Target Audience:** Grades 3-10
**Instructor:** Richard Ginn, Black Rocket Productions

---

**Program 5: Reaching ALL Learners in an Inclusion Setting for Mathematics**

Tuesday, October 21, 2014                                         9:00 am to 3:00 pm
Designed to help both Special Education and General Education teachers continue to meet the
needs of all their students in the ever-changing environment of an inclusion classroom. Learn
strategies on how to establish a true partnership with your co-teacher so that goals and
objectives are met, transitions are fluid, and instruction is differentiated to reach all learners.
Create ways to use technology, formative assessments, and games to engage struggling
students while challenging your most advanced. In order to provide some overlap between
grade levels the Common Core Standards that will be most heavily focused on are found under
the headings of Ratios and Proportional Relationships, Expressions and Equations (Algebra), and
Geometry.
**Target Audience:** Grades 4-10, Special Education Math/General Ed Math with inclusion
**Instructor:** Brendan Hodnett, Mathematics Teacher, Middletown Township School District
Program 6: Screencasting for Your Classroom  
Tuesday, October 28, 2014  9:00 am – 3:00 pm  
Have you ever searched YouTube or Khan Academy for a quick tutorial to use in or outside of the classroom? Screencasts are a great way to engage your students and connect your classroom to the digital world, however, premade lessons cannot always capture your specific content needs or your individual teaching style. In this workshop you will learn how to create and post your own lessons to YouTube as well as other Screencasting sites.  
This workshop will address different screen capture applications for the ipad as well as discuss implementation and effective uses within the classroom. Breakout sessions will allow for participants to experiment with and create lessons using a variety of ipad applications.  
**Target Audience:** Grades K-12  
**Instructor:** Amy Caruso, Mathematics Teacher, West Long Branch Schools

Program 7: Project WILD  
Wednesday, October 29, 2014  9:00 am to 3:00 pm  
The goal of the Project WILD is to assist learners of any age in developing awareness, knowledge, skills, and commitment, resulting in informed decisions, responsible behavior and constructive actions concerning wildlife and the environment upon which life depends. These programs are conducted in cooperation with the National Project WILD office. This program is based on the premise that young people and their teachers have a vital interest in learning about the earth as home for people and wildlife. Wildlife is emphasized because of its intrinsic, ecological, and other values. Project WILD can help prepare young people for decisions affecting people, wildlife and our environment.  
**Target Audience:** Grades K-12  
**Instructor:** Pat Heany, Kateri Environmental Center

Program 8: Understanding and Implementing the NGSS into your Classroom Instruction  
Tuesday, November 11, 2014  9:00 am to 3:00 pm  
Participants will be introduced to the Next Generation Science Standards. During the first part of the day, we will examine cross-cutting concepts, disciplinary core ideas, and performance
assessment expectations. For the second half of the workshop, participants will be involved in doing sample activities that incorporate the NGSS into classroom practice.

**Target Audience:** Grades K-5  
**Instructor:** Eva Ogens, Ed.D. Supervisor of Science, Jersey City Public Schools

---

**Program 9: Meeting the CCSS, Technology to the Rescue!!**  
Tuesday, November 18, 2014  9:00 am to 3:00 pm  
Incorporate different forms of technology into teaching the common core state standards of secondary mathematics to increase student motivation, interest and retention. Improve student learning experience by incorporating the SmartBoard, Graphing Calculator, Geometer’s Sketchpad, QR codes (Quick Response Codes) and other tools. Learn how technology can be used to engage students in a variety of learning activities and resources, such as class investigations, scavenger hunts, checking answers, providing supplemental materials or tutorials, and more. You will leave with so many different ideas and so many different lessons to engage your class. Experience with SmartBoard is helpful. **(It will be helpful to bring in your graphing calculator and Smart Phone/IPad to this workshop).**  
**Target Audience:** Grades 6-12  
**Instructor:** Ismat Shari, Mathematics Teacher, Hamilton Township School District

---

**Program 10: Strategies for the Inclusive Science Classroom**  
Wednesday, November 19, 2014  9:00 am – 3:00 pm  
Intended for fifth through eighth grade teachers, general educators and special educators, who co-teach in the content area classroom. As students with Autism Spectrum Disorder (ASD) and students with other disabilities are increasingly being taught in general education settings, this workshop will present a brief review of special education law and some common learning characteristics of these students. It will provide teachers with practical tips and strategies for supporting their students with autism or other learning disabilities, in participating in hands-on activities in the science classroom. It is suggested that partners who co-teach, attend as a team.  
**Target Audience:** Grades 5-8  
**Instructor:** Patricia Higgins, Special Education Teacher/Educational Consultant, South Plainfield Public Schools
Program 11: Technology A-Z for the High School Math Classroom  
Tuesday, December 2, 2014  
9:00 am to 3:00 pm  
Participants will “walk through the technology alphabet” and learn about useful virtual tools for improving mathematics instruction. Everything from virtual graphing calculators, streaming media, blogs and presentations will be discussed. A special focus will be placed on addressing the rigor of the Common Core Standards and “flipped” methods of instruction. This workshop is intended for teachers of algebra through calculus.  
**Target Audience:** Grades 8-12  
**Instructor:** John Kerrigan, Mathematics Teacher, Middletown Township School District

Program 12: Marine CSI: Marine Science in Your Classroom  
Wednesday, December 3, 2014  
9:00 am – 3:00 pm  
As a marine biologist and informal educator, Kimberly Belfer has developed two supplemental books to use in your classroom. Marine CSI: Coastal Science Investigations provides lessons on barrier islands, salt marshes, maritime forests, and other coastal ecosystems so that teachers can present this information in fun and interactive activities for their students. All lessons are correlated to the new Next Generation Science Standards. A sample from both the K-8 and high school book will be showcased.  
**Target Audience:** Grades K-12  
**Instructor:** Kimberly Belfer, Marine Biologist, Educator

Program 13: Middle School STEM activities for Matter/Interactions and Energy  
Wednesday, December 10, 2014  
9:00 am – 3:00 pm  
Increase student achievement and motivation by using the STEM approach in your classes. STEM integrates science, technology, engineering and math skills in order to solve a problem. In this workshop, the steps of the engineering design process will be discussed. STEM activities will focus on the areas of matter and interactions and energy. In addition, you will learn how to create your own STEM activities that enhance your curriculum and correlate with the NGSS standards for your grade level.  
**Target Audience:** Grades 6-8  
**Instructor:** Dana Woolley, Teacher, Howell Township School District
Program 14: Teaching Number Sense to the iGeneration
Wednesday, January 7, 2015 9:00 am – 3:00 pm
This session will examine how to fill the gaps in student content knowledge due to the implementation of the Common Core Mathematics Standards. Participants will be provided with games, videos, websites and motivational strategies for students in grades 3-8 that can engage, motivate and lead to building better number sense and facility with rational numbers.
**Target Audience:** Grades 3-8
**Instructor:** Eric Milou, Professor, Mathematics Department, Rowan University

Program 15: Notebooking, Reading, Writing and Thinking for the Next Generation of Scientists
Tuesday, January 13, 2015 9:00 am – 3:00 pm
Learn strategies for integrating Common Core reading and writing into your science classroom. Emphasis on the Science Interactive Notebook as a learning tool to enable creative, independent thinkers and writers. Learn how to use the Interactive Science Notebook to record notes, develop deeper understanding of concepts, and serve as an assessment too. We will also explore various informational text reading strategies and writing techniques, such as the claim, evidence, reasoning model. You will leave this workshop with ready to implement strategies and resources for your science classroom.
**Target Audience:** Grades 4-8
**Instructor:** Danielle Gianelos, Science Teacher, Howell Township School District

Program 16: Mastering the Practice Standards for CCSS: Engaging Students with Hands-on Math Activities
Wednesday, January 14, 2015 9:00 am – 3:00 pm
Get ready to enjoy a day of problem solving using hands-on math activities that will intrigue and engage your young learners. At this workshop, you will learn how to facilitate a variety of fun and engaging activities involving Operations and Algebraic thinking, as well as Number and Operations in Base Ten. The primary focus of these activities will be on the Practice Standards of the Common Core State Standards with an emphasis on the process standards such as problem solving, reasoning and proof, communication, representation, and connections. You
are guaranteed to leave the workshop with many activities that you can immediately
incorporate into your classes. Be prepared to have fun!!!

Target Audience: Grades K-2
Instructor: Sarah Renninger, Adjunct Professor, Rowan University
Retired Math Coach, Franklin Township, Somerset County

Program 17: Hands-on Activities and Labs for Life Science
Tuesday, January 20, 2015  9:00 am – 3:00 pm
Receive resourceful activities and labs that can be implemented into life science courses. Each
task is aligned with the science standards and is designed to promote student-driven inquiry-
based thinking and analysis. The activities and labs are appropriate for middle and high school
levels. You will leave the workshop with the materials necessary to incorporate the lessons
directly into your curriculum planning.

Target Audience: Grades 6-12
Instructor: Chryseis Apostolou, Biology Teacher, Manasquan High School

Program 18: Hands-on Matter and Energy Activities Incorporating STEM
Tuesday, February 3, 2015  9:00 am – 3:00 pm
Enhance your elementary school curriculum by incorporating inquiry-based science activities
into your lesson plans. In this workshop, teachers will engage in activities involving forces and
motion, energy, light, magnetism, and more. This fun, hands-on workshop will immerse
teachers in the lessons their students will experience, and will align to the science standards as
well as STEM principles. All handouts for the activities, labs, and projects will be provided for
the teacher to take to reproduce for the classroom.

Target Audience: Grades 3-5
Instructor: Patricia Wahlsten, Science Teacher, Manalapan Township School District

Program 19: Measuring Up to Common Core Measurement, Data and Geometry Standards
Wednesday, February 4, 2015  9:00 am – 3:00 pm
Analyze activities that will stimulate and motivate your students to learn the roles of
measurement, data, and geometry in everyday mathematics. Teachers will be provided with
detailed information about the focus of the Common Core State Standards and the rigorous content their students are expected to learn. The workshop includes many resources and materials to use in your classroom the next day.

**Target Audience:** Grades 3-5

**Instructors:** Jane Hannon, Elementary Math Specialist, Retired, NJ ASK Testing Committee Member

Pat Fowler, Elementary Math/Science Teacher, Retired

---

**Program 20: Differentiating Instruction with Technology in Your Mathematics Class: Engage and Motivate Your Students**

Wednesday, February 11, 2015  
9:00 am – 3:00 pm

PARCC is based on the core belief that assessment should work as a tool for enhancing teaching and learning. Because the assessments are aligned with the new, more rigorous Common Core State Standards (CCSS), they ensure that every child is on a path to college and career readiness by measuring what students should know at each grade level. This workshop will incorporate strategies for differentiating instruction using SMART Board Technology and the Google Drive Suite. Participants will learn how to incorporate free apps available from Google in and out of the classroom environment to promote engagement and motivation in their mathematics class. Strategies for formative assessment will be addressed in order to provide teachers with ways to collect data to help drive and inform instruction. Teachers will be able to implement these strategies immediately upon returning to their school.

**Target Audience:** Grades 6-12

**Instructor:** Karen Gronikowski, Mathematics Teacher, Hamilton Township School District
Brookdale Education Networks
2014-2015

DIRECTIONS TO BROOKDALE AT WALL
800 Monmouth Blvd, Wall Township, NJ, 07719
732-280-7090

* All workshops will take place at the Wall Campus unless otherwise noted.

FROM Route 18 SOUTH:
Take Route 18 South and exit at 7A. Continue for approximately ½ mile until you come to the Stop sign. Make a right at the Stop sign onto Marconi Road. Proceed for ¼ mile, making a right onto Monmouth Boulevard. Travel ¼ mile and make a left into the Center.

FROM NJ Garden State Parkway, North or Southbound:
Use exit 98. Take NJ Rout 138 (also US 195 here) East to Route 18 North. On 18 North only briefly, take Exit 6C. Make a right turn onto Monmouth Boulevard. Stay on Monmouth Boulevard going straight at the stop sign. Continue on Monmouth Boulevard for ¼ mile and make a right turn at the gate near the Brookdale Communiversity sign. Parking and main entrance is on the south side of the building.

FROM 195:
Stay on Route 195 until you see signs for Route 18 North, then follow directions as above.
Brookdale Education Networks

EMERGENCY SCHOOL CLOSINGS AND DELAYED OPENINGS
2014-2015

In the event of inclement weather:

- Check the college’s website: [www.brookdalecc.edu](http://www.brookdalecc.edu).
- Call the main number (732)842-1900 or OBCD office (732)224-2315 for recorded announcement.
- Watch News 12 NJ’s closings “crawl” on TV.
- Tune in to any of the following radio stations:
  90.5 Brookdale public radio,
  88 FM; 94.3 FM; NJ101.5; WCBS 880; WOBM 1170; WJLK 1310

If the College is **closed** due to weather, classes are cancelled for the day. We will make every effort to reschedule the network class.

If the College has a **delayed opening**, network classes will begin at the same time the College opens. Classes will be extended to 4 pm.
Brookdale Education Networks

2014-2015 Commitment

Our District is committed to joining the Brookdale Education Network(s) for the 2014-2015 school year.

_____ Math/Science Network: 20 Full Day Workshops
        ______ Level A – $1,200.00 = 1 seat in every workshop
        ______ Level B - $2,400.00 = 2 seats in every workshop
        ______ Level C - $3,600.00 = 3 seats in every workshop
        ______ Level D - $4,800.00 = 4 seats in every workshop
        ______ OTHER

_____ Technology Network: 10 Full Day Workshops
        $2,000.00 = 2 seats in every workshop
        (Membership is limited to the first 12 districts)

_____ Literacy Network: 8 Full Day Workshops
        $1,500.00 = 4 seats in every workshop

_____ Aspiring Leadership Conference (number of attendees)
        $39/member.........$59/non-member
District and School: ________________________________

Chief School Administrator: ________________________________

Address: ________________________________________________

________________________________________________________

Phone: _________________________ Fax: ____________________

Email: ___________________________________________________

Network Contact Person and Title: ____________________________

_________________________________________________________

Address: (if different) _______________________________________

_________________________________________________________

_________________________________________________________

Phone: _________________________ Fax: ____________________

Email: ___________________________________________________

Please mail, email, or fax forms no later than **June 30, 2014** to:

Brookdale Education Networks/OBCD
Brookdale Community College
765 Newman Springs Rd
Lincroft, NJ 07738-1597
Phone: 732-224-2394          Fax: 732-224-2664
bdevine@brookdalecc.edu
<table>
<thead>
<tr>
<th></th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>
| OCTOBER  |                                              | 1 **SCIENCE**  
Project WET Curriculum Guide Workshop | 2                                              | 3                                           |
|          | 7 **MATH**  
Making Sense of the CC Fraction, Number Sense & Operations Standards | 8                                              | 9                                              | 10 **LITERACY**  
Gaming the System |
|          | 14 **MATH**  
"They Will Never Let Us Do That in School" Meet the CCSS for Mathematics thru Video Game Design | 15 **SCIENCE**  
"They Will Never Let Us Do That in School" Meet the CCSS for Science through Video Game Design | 16 **TECHNOLOGY**  
Web Based Tools in the Classroom (Voki, Prezi, Edmodo, and more) | 17 |
|          | 21 **MATH**  
Reaching ALL Learners in an Inclusion Setting for Mathematics | 22                                              | 23 **TECHNOLOGY**  
Teaching Effective Research Strategies Using Digital Tools | 24 |
|          | 28 **MATH**  
Screencasting for Your Classroom | 29 **SCIENCE**  
Project WILD | 30                                              | 31 |
| NOVEMBER | 4                                              | 5                                              | 6                                              | 7                                           |
|          | 11 **SCIENCE**  
Understanding and Implementing the NGSS into your Classroom Instruction | 12                                              | 13 **TECHNOLOGY**  
4 More Great Ways to Use Google in Education | 14 **LITERACY**  
Dare to Be Different! Techniques for Differentiation in an Early Childhood Classroom |
|          | 18 **MATH**  
Meeting the CCSS, Technology to the Rescue!! | 19 **SCIENCE**  
Strategies for the Inclusive Science Classroom | 20 **TECHNOLOGY**  
Google Tools for Education - Beginner | 21 |
<p>|          | 25                                              | 26                                              | 27                                              | 28                                           |</p>
<table>
<thead>
<tr>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DECEMBER</strong></td>
<td>2 MATH Technology A-Z for the High School Math Classroom</td>
<td>3 SCIENCE Marine CSI: Marine Science in Your Classroom</td>
<td>4 TECHNOLOGY Universal Design for Learning and Technology: Meeting the Needs of All Students</td>
</tr>
<tr>
<td><strong>9</strong></td>
<td>10 SCIENCE Middle School STEM Activities for Matter/Interactions and Energy</td>
<td>11 TECHNOLOGY The Future of Education is Game-Based Learning</td>
<td>12 LITERACY “Back to the Future”</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>JANUARY</strong></td>
<td></td>
<td><strong>1</strong></td>
<td><strong>2</strong></td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>7 MATH Teaching Number Sense to the iGeneration</td>
<td><strong>8</strong></td>
<td>9 LITERACY Authenticating the Standards in Our ELA Classrooms</td>
</tr>
<tr>
<td>13 SCIENCE Notebooking, Reading, Writing, and Thinking for the Next Generation of Scientists</td>
<td>14 MATH Mastering the Practice Standards for CCSS: Engaging Students with Hands-on Math Activities</td>
<td><strong>15</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>20 SCIENCE</strong> Hands-on Activities and Labs for Life Science</td>
<td><strong>21</strong></td>
<td><strong>22 TECHNOLOGY</strong> The Flipped Classroom: Transforming Your Teaching</td>
<td><strong>23 LITERACY</strong> Enhancing Fluency through Meaningful Experiences</td>
</tr>
<tr>
<td><strong>27</strong></td>
<td><strong>28</strong></td>
<td><strong>29</strong></td>
<td><strong>30</strong></td>
</tr>
<tr>
<td></td>
<td>TUESDAY</td>
<td>WEDNESDAY</td>
<td>THURSDAY</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------</td>
<td>-------------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td><strong>FEBRUARY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 SCIENCE</td>
<td>Hands-on Matter and Energy Activities Incorporating STEM</td>
<td>4 MATH Measuring Up to CC Measurement, Data, and Geometry Standards</td>
<td>5 TECHNOLOGY Plowing Past Powerpoint: Enhancing Student Presentations in the Classroom</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MARCH</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MARCH</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TUESDAY</td>
<td>WEDNESDAY</td>
<td>THURSDAY</td>
<td>FRIDAY</td>
</tr>
<tr>
<td>----------------</td>
<td>---------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>MAY</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>13</td>
<td>14</td>
<td>15 LITERACY Using Formative Assessment and Reading Comprehension Tools to Increase Student Success</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
</tr>
</tbody>
</table>