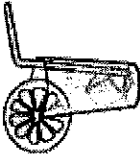

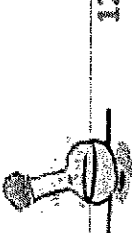
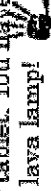
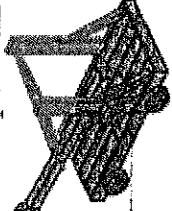
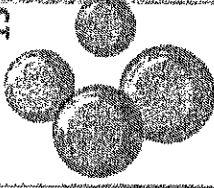




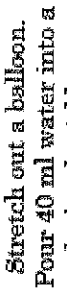












JULY 2017

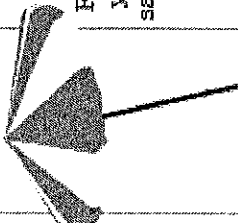


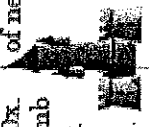
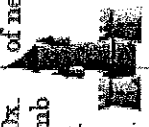





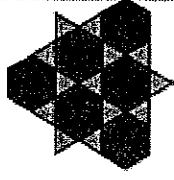




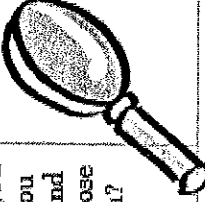



SUNDAY	MATH MONDAY	OUTDOOR TUESDAY	SCIENCE WEDNESDAY	ENGINEERING THURSDAY	FUN FRIDAY	SATURDAY
2  Wait for a summer storm to do this activity: count the seconds between the lightning and sound of thunder. Divide by 5 to get how many miles away the storm is from you.	3 Independence Day! Download a star app like Star Walk. Can you find a planet or constellations? 	4 Create your own experiment using baking soda + vinegar.  Fill a clear container 3/4 with vegetable oil. Fill the rest with water and add 10 drops food coloring. Drop in an Alka-Seltzer tablet. You have a lava lamp! 	5 Make a catapult with household items. Test your accuracy and precision. 	6 Pick 3 objects to place in a bag. Have a friend guess the objects with only touching. You can do the same with only smelling.	7 Mix up dish soap and water. Dip a bubble hoop into the mixture and blow. What is the largest bubble you can make? 	8 Create an obstacle course outside. Calculate your average time to complete the course over a series of 5 attempts. Get a friend to try! 
9  Measure your heart beat for 10 seconds. Convert to beats per minute. Go out and run around and then measure again. What is the percentage increase?	10 Design and build a bird feeder. How many birds can you attract? What design improvements can you make to attract more birds? 	11 Plant something, such as a flower or herb, in the backyard or a small pot. Watch it grow over the summer. What does it need to grow? 	12 Predict how many pennies can be placed in a full glass of water before it overflows. Fill a glass to the rim. Add pennies one by one. 	13 Find your favorite doll or action figure and design a zip line to get them from one level to another (tree to ground, table to floor). 	14 Create an obstacle course outside. Calculate your average time to complete the course over a series of 5 attempts. Get a friend to try! 	15 Design a math scavenger hunt for a friend.
16  Run one lap of a track (1/4 mile) and keep the time. Calculate how long it would take to run 1/2 mile, 1 mile, and 5 miles at the same pace.	17 Stretch out a balloon. Pour 40 ml water into a coke bottle. Add a tsp baking soda and stir. Add lemon juice and quickly place balloon over the mouth of bottle. 	18 Create your own ant farm! Find a diagram at m.wikihow.com/Build-an-Ant-Farm . What do you observe? 	19 Make a treasure box to keep your secrets safe. Design a system that will set off an alarm or a reaction to keep prying eyes away.	20 Design a way to keep an ice cube from melting as long as possible. Compete with a friend.	21 Make a treasure box to keep your secrets safe. Design a system that will set off an alarm or a reaction to keep prying eyes away.	22 Design a system that will set off an alarm or a reaction to keep prying eyes away.
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AUGUST 2017



SUNDAY	MATH MONDAY	OUTDOOR TUESDAY	SCIENCE WEDNESDAY	ENGINEERING THURSDAY	FUN FRIDAY	SATURDAY
29 	30 Find 5 coupons for items you want. Calculate the savings from the coupons. 	1 Create a compost pile. Chart the temperature as it decomposes. Use as fertilizer when it no longer smells and the temperature matches the surrounding dirt. 	2 Turn on the water slowly. Brush a plastic comb through your hair 10x. Slowly bring the comb close to the water. 	3 Build a tower as tall as possible using only sheets of newspaper. No tape or glue allowed! 	4 Watch a TV show or documentary show about science. Science fiction doesn't count!	5 
6 Look up the salary for your dream job. Ask your parents how to approximate federal and state taxes. How much money do you have per month after taxes? 	8 Image you are going camping (or actually go camping). How will you keep food away from hungry bears? 	9 Design your own experiment! Come up with a hypothesis, design an experiment, and record the results. 	10 Image you only have one leg. Design a prosthetic leg using household items. Test it out! How do you make it comfortable? How would it attach to your body?	11 Get a bag of M&Ms. Predict the % of red, blue, green, and brown. Open and record actual numbers. What is the probability you will get a green from the bag? 	12 Make a piece of artwork using tessellations. 	13 You are a pirate and have to walk the plank! The plank is 5 feet long and you take 8 equal steps. How long is each step so that you don't fall off? 10 steps? 12 steps? 
14 Measure the length of your hand. Now you have your own personal ruler! Go out and measure everything 	15 Pick a flower. Take it apart and sketch its different components. Describe the textures and colors. Why do you think it was made this way? 	16 The tongue map theory suggests that different areas of your tongue sense different tastes. Look up this theory. Create an experiment to prove or disprove it.	17 Build a house made of playing cards. What configurations are the strongest? Why? 	18 Select a manufactured item in your home and investigate how it works. Describe the item in writing and with a diagram.	19 Which 3 jobs would you like to have when you grow up? Can you find someone in one of those careers to talk with? 	20 Go outside and look for rocks. Can you find different types? Research rocks local to your area and see if you can find them. 
21 Drought is a common problem that farmers face. Research how rain forms and think of ways that you could increase local rain. Look up "cloud seeding."	22 Go outside and look for rocks. Can you find different types? Research rocks local to your area and see if you can find them.	23 Drought is a common problem that farmers face. Research how rain forms and think of ways that you could increase local rain. Look up "cloud seeding."	24 Select a manufactured item in your home and investigate how it works. Describe the item in writing and with a diagram.	25 Which 3 jobs would you like to have when you grow up? Can you find someone in one of those careers to talk with?	26	

Summer Reading Program 2017

WHERE:
Bloomfield Children's Library

WHEN:
Mon. June 26 to
Wed. August 2

WHO:
All those entering 6th grade and
younger

WHAT:
Books, Prizes, Story Times, Crafts,
Movies, Games, Special Events, &
More!

Kick-OFF:
June 26 @ 2pm with
HAMLIN'S HOGWARTS MAGIC!
Doors open for seating at 1:45 in
our basement's theater!!!

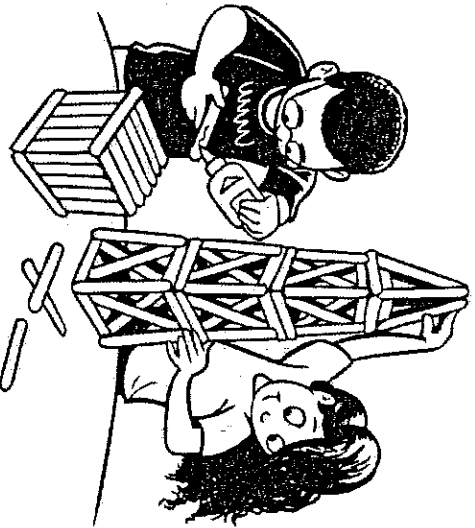
**Registration
begins June 26!!!**



Summer Library Hours:

Mon-Wed 10 am – 8 pm
Thu -Fri 10 am – 5 pm

CLOSED SATURDAYS & SUNDAYS



Be sure to pick up our

Monthly Calendars

or visit

www.bplnj.org/

childrens

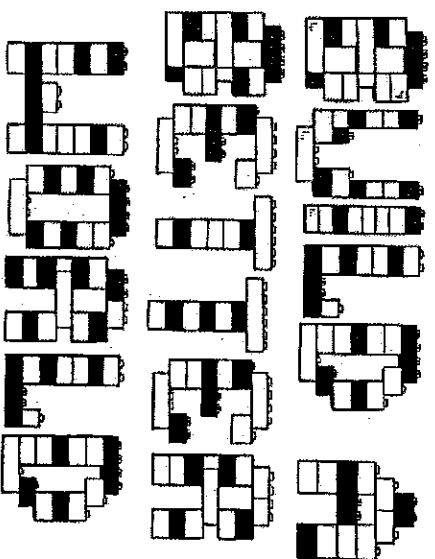
for more info!

READ, BUILD, CREATE!

SUMMER READING PROGRAM 2017

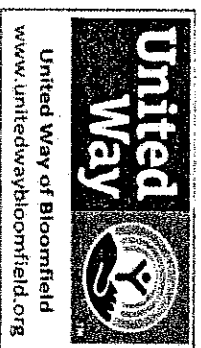
at the

**BLOOMFIELD PUBLIC
LIBRARY**



BPL Children's Library

90 Broad Street
Bloomfield, NJ 07003
973-566-6200 X603



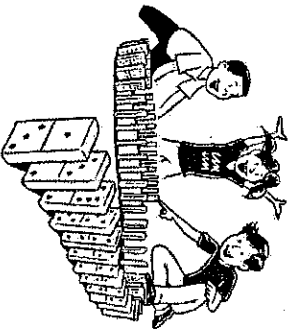
BPL THANKS THE UNITED WAY
OF BLOOMFIELD FOR THEIR
GENEROUS SUPPORT!

Read Books,

Build Your Collection!

This summer, the more you read,
the more you earn! Here's how:

1. Read books and add them to your BEANSTACK ONLINE LOG! You will be able to access Beanstack from any PC/ Mac, cellphone, or tablet.
2. Come in and pick your dogtag! Then for every day you read, you earn a BEAD for your chain. You will also be able to trade up for more valuable beads as you go! We have colored beads, sparkle beads, animal shaped beads, and more!
3. You also earn BADGES on your Beanstack reading log as you go, and you can log your books ANYTIME.
4. Enjoy prize coupons from local businesses. Free food! Yay!
5. Earn book prizes too! Our grand finale will be August 2nd, and all registered participants will receive a free book or CD.
6. You can continue to log books online all the way through the end of the summer!



WEEKLY EVENTS

MONDAYS

(beginning July 3)

2pm - Book Bingo Ages 6 and up

4pm - Read to Ruby, our Library Bunny

All ages

TUESDAYS

11am - Toddler Time Ages 18mos--3yrs

2pm - Creation Station

Ages 6 and up (Reg.)

WEDNESDAYS

11am - Pre-K Stories & Crafts Ages 3-5

(Special Events July 12 & 26)

2pm - Movies in the Theater Pre-K and up

(No movie Aug. 2 due to the Grand Finale)

THURSDAYS

11am - Baby & Me Birth to 18 mos.

FRIDAYS

2pm - LEGO Club to Ages 5 and up

Summer Programs run from

Mon. June 26 - Wed. August 2.

Registration for **Creation Station** is on a weekly basis. Seating is limited.

SPECIAL EVENTS

Summer Kick-Off with

Hamlin's Hogwartzs Magic

Monday, June 26 @ 2pm.

All ages

Create & Play with the Essex County

Environmental Center

Tuesday, July 11 @ 2pm.

Ages 5-9 (Reg.)

Unleash your inner artist!

Build a Better World with The United Way

Wednesday, July 12 @ 11am

Ages 3-6 (Reg.)

Children will receive a free book from the

United Way of Bloomfield.

Shooting Star Dance Studio Storytime

Wednesday, July 26 @ 11am.

All ages

Come dance with Miss Katie!

Grand Finale

Wednesday, August 2 @ 11am.

All ages

Celebrations! Prizes! Fun!

Programs marked **(Reg.)** require

REGISTRATION to attend. You can register for all events starting Mon. June 26.

ALL PROGRAMS AND EVENTS ARE FREE.