مدرسة الريادة المشرقة
BRIGHT RIDERS SCHOOL

March ,2016

BRS STUDENT LINK

- a platform for the students to express themselves

In this Publication ……

Preface:

BRS Student Link is a monthly newsletter that carries reflections of students at BRS. It's a platform provided by BRS for students to exhibit their talents, challenges and reflection on their learning process inside and outside the classroom. The newsletter is a digital communication medium to encourage all the students to express their views and talents

From the Publication Team……

Student link has been a great platform for students to showcase their talent in various areas. Here, they learnt to recognize their potential not only in literature but also in art and craft, drawings and to embrace their imagination. It is always good to be a bit different than the others and student link gave that opportunity to all the students. The editorial team, 2015-2016 is grateful to the management for giving us the opportunity to edit this year's wonderful edition and we appreciate the active participation of all the students and their encouraging parents, because of whom the editorial link has been a success.

-Publication Team

ABHIJITH K (9A)

TANMAY N. KULKARNI (9C)

MINNA BASHEER (9A)

BHOOMIKA BHATT (9A)

Student Spark

Poetry

HOLIDAYS

Holidays are coming near ,
And in some days they will be here.
Holidays are lots of fun,
We will play games like catch and run.

Gardens and parks are fully flooded
With barbeque all around chicken fish and mutton shredded
We will spend time with family and friends,
I wish holidays would never end.

- Nadia Sami
6 B (Girls)

My Mother , My Love

My mother, my love you are so near,
Throughout my life you are always a dear.
Your tender smile every day,
Guides me the right way.

You are the best,
I don't care about the rest.
My love for you will never end,
You are my mother, my love, my best friend.

- Nadia Sami
6 B (Girls)

Poetry

Pollution Blues

Vroom! goes the car
With lots of noise
Splash! goes the maid
Washing dirty clothes in the river

Boom! goes the factories
Which produce dirty smoke
Blow! goes the plastic
Making the land mad

Bam! goes the industries
Adding dirty water to the rivers
Dum! goes the wood cutters
Cutting all the trees.

- Sahana Naganandh
4 H

वातावरण

वातावरण को दूषित करके,

स्वतः नहीं रह पाएँगे,

गन्दी हवा के कारण,

घुट-घुट के मर जाएँगे,

आओ हम सब यह कसम लें,

कि वतावरण को स्वछ और साफ़ बनाए।

- कार्तिकेय शर्मा

7 अ

Poetry

हरियाली

हरियाली की महिमा समझो।

वृक्षों को पहचानो ।

ये मानव के जीवनदाता,

इनको अपना मानो,

यदि एक वृक्ष कट जाए तो,

ग्यारह वृक्ष लगाओ,

पर्यावरण को स्वच्छ बनाओ।

-निशित शॉ

7 अ

Articles

मेरा एक सपना

प्रत्येक व्यक्ति के अपने अलग-अलग सपने होते हैं।कहा जाता है कि सपनों के बिना कोई जीवित नहीं रह सकता और इस बात से मैं सहमत हूँ।सपनों के बिना व्यक्ति के जीवन का कोई उद्देश्य नहीं होता।यदि हम किसी बच्चे से भी पूछे कि वह जीवन में क्या हासिल करना चाहता है तो वह भी तुरन्त उत्तर दे देगा परन्तु यह सच है कि सिर्फ़ सपने देखना काफ़ी नहीं है। हमें अपने सपने को हासिल करने के लिए और सफ़लता प्राप्त करने के लिए कड़ी मेहनत करनी पड़ेगी।मेरा सपना यह है कि मैं दुनिया में कुछ ऐसा नया लाऊँ जो आगे चलकर मानवता की मदद करे और हमको आगे लाए।मैं यह भी चाहती हूँ कि मैं उन लोगो की मदद कर सकूँ जिनके पास मूल सुविधाएँ भी नहीं हैं। मैं उनके खाने व पढ़ाई आदि का प्रबन्ध कर सकूँ। मैं यह मानती हूँ कि दृढ़ संकल्प और प्रतिबद्ध्ता के साथ साथ मैं अपने सपने ज़रूर पूरा कर सकती हूँ। मैं जीवन की कठिनाइयों से डरूँगी नही,अपने आप को कभी हार नहीं मानने दूँगी। यह है मेरा सपना.....।

- संस्कृति श्रीवास्तव

8 अ

What I like to do in free time

Victor Hugo has very rightly said that, "Thought is the labour of the intellect, reverie is the pleasure".

I love daydreaming when I have free time. My life is much more interesting on my head. The way I daydream is a bit different than others do. I combine two situations which I like, and start dreaming about them. For example, I take Star Wars and Football. Joining them, it emerges as Star Wars characters playing Football. I dream like this all the time. Once, I even dreamt that our school flew away into the space.

Daydreaming also has some historical backgrounds. Daydreaming is something that has been occurring for centuries. Albert Einstein failed in Math and was almost kicked out of college for daydreaming. But, daydreaming was the key to his incredible creativity.

Who knows, one day, I too create something INCREDIBLE.

I just want to make myself a world and go live in it.

- Arham Khaleeque

6 A (Boys)

Can teens ever face a tension free life????

I am writing this article because of so many reasons. Number one- recently I have come across a few [WELL, NOT FEW] children who don't know how to talk to their parents because they are afraid. The biggest example of them all is that lately I have come across so many children who open accounts without their parents' permission such as Instagram, Facebook etc., and lose control over it. That often gets them into bad trouble. They do not understand the full dangers in them.

Awareness about this is a compulsion. And even if you get an account without your parents' permission, you should be strong enough to admit it your parents. I am not saying that parents should restrict their children from using phone or the Wi-Fi it is just that they should keep a constant check.

Now if we lie to our parents it breaks the factor called trust which they have in you. And believe me it is really difficult to gain it back. And if you still think that I am wrong. Let me tell another reason what is the harm in opening them, now for instance you opened an Instagram account, you chat with people you know and do not. After that, when your done doing all chatting. You have to delete the history and uninstall the app and keep the profile really secret so that your relatives don't get to know about it. What all do we have to do!!!!! It's all hard work!!!!Don't you think? See guys I am also a teen (it does not mean that I opened an account without the parents' permission) I know you feel isolated but it is better to ask the parents rather than they getting to know after words by other means. The rest is your choice. My advice is not priceless but it is definitely worth a shot….

- Rhea James
8 B (Girls)

Junk Food Ban!!!!

You know, Junk food isn't good for you, but it is hard to avoid because food companies have mastered the perfect taste sensation largely adding salt, sugar and fat, to keep you coming back for more. By definition, junk food is food with minimal essential nutrients and a lot of fat, sugar and salt, such as potato chips, candy, soda etc…

Now I am going to say some food that you must avoid completely or you might get killed,

1)Low Fat Food:- A lot of people think that they are healthy , eating food , which are labelled low fat. Unfortunately these food are packed with lot of chemicals

2) Fruit Juice:- They are not only packed with artificial color and any real fruit , but they are packed with sugar and chemical also, which leads you to obesity.

3) Donut:- Donut are made with lot of fat, trans-fat and carbo-hydrates. Just eating one of these may increase 300calories in your body.

4) Energy Bars:- They are labelled as healthy snacks for people, who wants to lose weight and get fit, but many people don't read the nutritional information as they are made with lot of sugar and fat.

You better of eating natural snacks like, almonds, nuts, fruits and vegetables instead.

I recommend school canteen should start providing these foods at least once in a week for the better health of students in the school.

-Mohammed Sadath
6 A (Boys)

A Short Note on Ruskin Bond

I want to meet Mr. Ruskin Bond. He is one of my favourite writers as the way he writes fascinates me. I also like his spirit of writing because he is 81 and is still writing. He has written several books, novels, and poems, long essays etc.

Some of them are –

- The Room on the Roof
- A town called Dehra
- Binya's Blue Umbrella
- Delhi is not far away

He lives in Mussoorie which is in Uttarakhand in India. I have visited Mussoorie several times, thinking of meeting Mr. Ruskin Bond, but unfortunately I could not, but I still have a desire in my heart to meet him some day in the future. He wrote his first novel at the age of 17, which was the "The Room on the Roof".

He went to London for publishing it, but could not find any publisher so after managed to earn money he came back to India, where he published his first novel. He has won several awards like the Sahitya Academy Award, Padma Shri, Padma Vibushan etc.The special thing which connects my heart to his books are the simple town or village based stories with a deep meaning and I also like his love for India even though his origin is from Britain.

- Dhimaan Bhattacharya
6 A (Boys)

Divisibility Theorem

Theorem: In a number system of base n, the sum of the digits of the multiples (n-1) and the sum of the digits of the multiples of factors of (n-1), are also a multiple if (n-1) or the factor of (n-1) respectively.

To make it simpler we can take an example:
We conventionally use the number system with base 10.According to the theorem, the sum the digits of (n-1),which is 9, and the factors of (n-1), which is 3, is also a multiple of n-1, (9), and the factor of n-1, (3) respectively.

For eg. 9x157=1413 sum of the digits = 1+4+1+3=9
And 9 is a multiple of 9

Eg. 2 3x209=627 sum of digits=6+2+7=15
15 is multiple of 3.

We all learn this in school but we don't know why its true! This rule is not only limited to base 10. We can apply it to any base. According to the theorem, this rule in applicable to the number n-1 and its factors in base n.
Let us take base 7. Let us write the first 24 numbers in base 7
Base 10 1,2,3,4,5,6, 7, 8, 9, 10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
Base 7:- 1,2,3,4,5,6,10,11,12,13,14,15,16,20,21,22,23,24,25,26,30,31,32,33

Above, I have written base 7 and base 10 numbers. The number in base 10 is equal to the number directly below it in base 7. For eg. 16 is written as 22 in base 6. If we notice the multiples of 6 in base 7 we can see that the digits add up to multiples of 6.

PROOF: A number 'm+1' digit number in base n is written as

$n^m a + n^{m-1}b + n^{m-2}c + n^{m-3}d \ldots\ldots\ldots\ldots n^2x + n^1y + n^0z$ - 1

where a,b,c……..x,y.z are digits.

Let us assume that $a + b + c + \ldots\ldots\ldots +x +y +z=X(n-1)$ - 2

{ where X is a natural number. }

From 2, we get, $z= X(n-1) – (a + b + c \ldots\ldots\ldots + x + y)= X(n-1) – a – b – c \ldots\ldots\ldots –x – y$

$z= X(n-1) – a –b – c \ldots\ldots\ldots – x –y$

Substituting the value of z in eq 1, we get

$n^m a + n^{m-1}b + n^{m-2}c \ldots\ldots\ldots n^2x + n^1y + X(n-1) – a – b – c \ldots\ldots – x – y$

Taking all similar terms together

$n^m a – a + n^{m-2}b – b + n^{m-3}c – c \ldots\ldots\ldots n^2x – x + n^1y – y + X(n-1)$

$= a(n^m-1) + b(n^{m-1}-1) + c(n^{m-2}-1) \ldots\ldots\ldots x(n^2-1) + y(n^1-1) + X(n-1)$ - 3

$\{(n-1)+1\}^m = {}^mC_0(n-1)^m + {}^mC_1(n-1)^{m-1} + {}^mC_2(n-1)^{m-2} \ldots\ldots {}^mC_{m-1}(n-1)^1 + 1$

- using binomial theorem

$\{n\}^m - 1 = (n-1)({}^mC_0(n-1)^{m-1} + {}^mC_1(n-1)^{m-2} + {}^mC_2 (n-1)^{m-3} \ldots\ldots {}^mC_{m-1})$ - 5

This implies that (n^m-1) is divisible by $(n-1)$ - 4

Using theorem 4, we can say that $n^m-1=Y(n-1)$

where Y is a natural number.

So we can write 3 as

$aY_1(n-1) + bY_2(n-1) + cY_3(n-1) \ldots\ldots xY_{m-1}(n-1) + yY_m(n-1) + X(n-1)$

$=(n-1)[aY_1 + bY_2 + cY_3 \ldots\ldots xY_{m-1} + yY_m + X]$

This proves the first part of the theorem, that in a number system of base n, the sum of the multiples if n-1,is also a multiple of n-1.

A m+1 digit number in base n can be written as

$n^m a + n^{m-1}b + n^{m-2}c + n^{m-3}d \ldots\ldots\ldots n^2x + n^1y + n^0z$ -6

where a,b,c etc. are the digits. Let $a + b + c \ldots\ldots\ldots x + y + z= FS$

where S is natural number and F is a factor of (n-1) such that FY=(n-1) -8

so $z= FS – a – b – c – d \ldots\ldots\ldots - x – y – z$ -7

using 7 in 6

$n^m a + n^{m-1}b + n^{m-2}c + \ldots\ldots\ldots n^2x + n^1y + FS – a – b- c \ldots\ldots\ldots – x – y$

$n^m a – a + n^{m-1}b – b + n^{m-2}c – c \ldots\ldots\ldots n^2x – x + n^1y – y + FS$

$a(n^m-1) + b(n^{m-1}-1) + c(n^{m-2}-1) \ldots\ldots\ldots x(n^2-1) + y(n-1) + FS$ - 10

using 5 and 8

$n^m-1=FY({}^mC_0(n-1)^{m-1} + {}^mC_1(n-1)^{m-2} + {}^mC_2(n-1)^{m-3}\ldots\ldots\ldots\ldots\ldots\ldots\ldots {}^mC_{m-1})$

so $n^m-1=FYJ$

$n^m-1=FE$ where $E=YJ$

or in other words, n^m-1 is divisible by F - 9

using 9 in 10

$aFE_1 + bFE_2 + cFE_3 \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots xFE_{m-1} + yFE_m + FS$

$F(aE_1 + bE_2 + cE_3 \ldots\ldots\ldots\ldots\ldots\ldots\ldots xE_{m-1} + yE_m + S)$

This proves the second part of the theorem. In base n, the sum of the digits of multiples of a factor of n-1 is also a multiple of that factor of n-1.

- Naseer Ahmed Khan

XI-D (Boys)

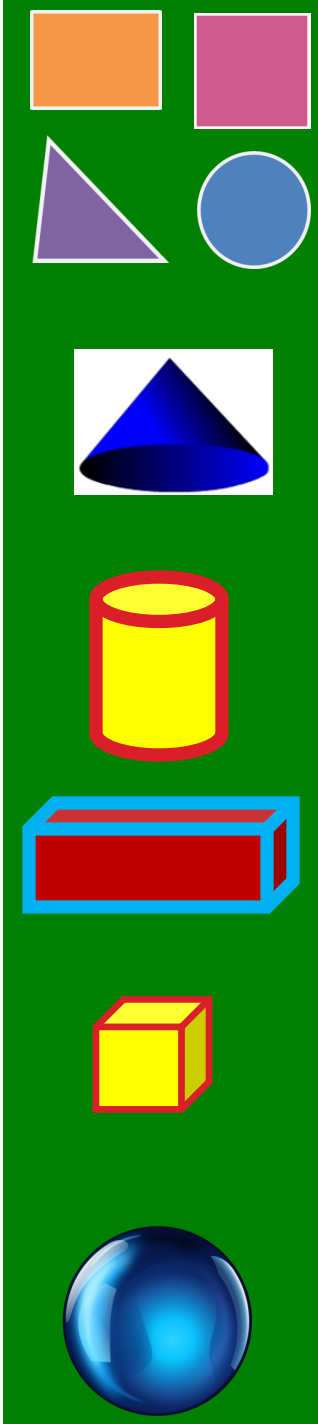
Shapes

Since we were learning geometry,our teacher taught us many shapes.
We wrote some properties and drew them.
Our teacher taught us easy methods to draw shapes.
She taught us 2 –D and 3-D shapes.
Our teacher told us to write things in your home and write whether it is 2-D or 3-D.I wanted to do this so I observed these things and wrote whether it is 2-D or 3-D.
Shapes
2D and 3D- This is what I observed in my house

-

S.no.	2-D		3-D	
	Thing	Shape	Thing	Shape
1.	White board	Rectangle	Oven	Cuboid
2.	Colour pencil box	Rectangle	Drawer	Cuboid
3.	Duster	Rectangle	Fridge	Cuboid
4.	Tape	Circle	Gas stove	Cuboid
5.	TV	Rectangle	Vessels	Cube
6.	Switch Board	Square	Mobiles	Cuboid
7.	AC	Rectangle	Bed	Cuboid
8.	Identity Card	Rectangle	Mirror	Oval
9.	Cycle Wheel	Circle	Spoon	Oval
10.	Marie Biscuit	Circle	Laptop	Cuboid
11.	Tab	Rectangle	Remote	Cuboid
12.	USB Box	Square	Dining Table	Cuboid

- Avani Karandika
3 A



Fun With Shapes

The chapter we are learning in Math's is **shapes** . With shapes we can do many things such as **patterns** . There are **2D** and **3D** shapes.
2D- square, rectangle, triangle, Circle.
3D- Cube, cuboid, cone, cylinder, Sphere.
These are the shapes. Have fun with shapes.

2D

⇒ A-4 sheet [rectangle]
⇒ Tissue paper [square]
⇒ Scale [rectangle]
⇒ Screen of a computer [rectangle]
⇒ Clock [circle]
⇒ Cd [circle]
⇒ Sign boards [triangle]
⇒ Photo frame [square]
⇒ Tiles of the floor [square]
⇒ Pizza[circle]
⇒ Letter o [circle]
⇒ Face [circle]
⇒ Doughnut [circle]
⇒ Tent [triangle]
⇒ Sandwich [triangle]
⇒ Top of the table[rectangle]
⇒ Smart board [rectangle]

3D

⇒ basketball[sphere]
⇒ football[sphere]
⇒ Tennis ball[sphere]
⇒ Cricket ball[sphere]
⇒ lime [sphere]
⇒ geometry box [cuboid]
⇒ eraser [cuboid]
⇒ tissue box [cuboid]
⇒ rubix box [cube]
⇒ book [cuboid]
⇒ carrot [cone]
⇒ bucket [cylinder]
⇒ match box[cuboid]
⇒ ice cream cone [cone]
⇒ soap [cuboid]
⇒ gift box [cuboid]
⇒ earth [sphere]
⇒ dust bin [cylinder]
⇒ orange [sphere]

- Shreeya Srinivasan
3A

Art.

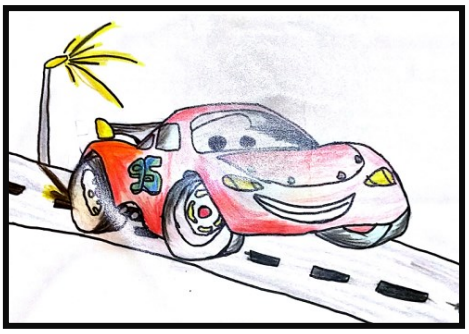
Art Corner

- Saai Bhumika
6 A (Girls)

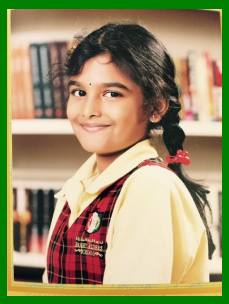
- Taha Nabeel
10 A (Boys)

Art.

-Gayathri
6 C (Girls)



-Mohammad Umair Usmani
4K



-Dheeptha krishnamurthy
4G

Art.

- Cyra Kallada
KG 2B

-Hanna Habeeb
4D

-Simreen Siraj
3 C

Kindly send poems, stories, art works, articles, etc. to:
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