



## Newsletter - 25th May 2018

### KNOWLEDGE ORGANISERS

Homework has long been a topic of conversation at BMS, not just with parents but with our staff too. The premise behind homework has always been to encourage independent learning and revision ready for GCSEs and A-Levels. But if the homework set is not appropriate it can be hard for parents to support at home, and staff find that marking homework is wasted learning time in class.

So at BMS we have introduced knowledge organisers. These are A4/A3 sheets which contain key knowledge/facts that need to be learnt before a certain time so that our pupils can quickly access this information and then apply it during a lesson, which encourages deeper thinking and learning.

Your child will be taking home a knowledge organiser file full of organisers for subjects/topics for the next half term. Each week students will be pointed to a section of the organiser to learn (with question and answer sheets) from which they will be tested in class. This is new for everyone, so bare with us through any teething problems and please feel free to provide feedback on how this new homework format is working for your child.

**YEAR 8 FOOD TECH – KNOWLEDGE ORGANISER**

**1. THE FLAVOUR STAR**

**ENHANCES** Brings out the other flavor

**BALANCES** Counteracts the other flavor. If your dish is experiencing too much of one flavor, use a balancing flavor to level it out.

**6. Dietary requirements**

What to consider...

- > Vegetarian - do not eat meat, but generally eat dairy products
- > Vegan - do not eat meat, no products from animals
- > Coeliac - gluten intolerance of any food containing grain, wheat or barley
- > Nut allergy - anaphylaxis is an extreme reaction to something caused by any nut e.g. peanuts
- > Religious considerations - e.g. Jewish do not eat pork,

**4. Seasonality**

- Fruits and vegetables naturally grow and ripen during certain times of the year. When food is ripe it's full of nutrients and has more flavour. So 'eating seasonally' means you're eating food when it's naturally at its best.
- Different seasons 'in session' throughout the year in Britain. For example, asparagus ripens in the spring, summer brings berries, sweetcorn and pumpkins follow in the autumn, and cabbages and root vegetables peak during the winter.
- Households can still buy things like strawberries and apples in the supermarkets all year round because they are either being grown in greenhouses which provides shelter, light and heat or they're flown in from warmer countries.

**2. Flavour vocabulary**

Type of Food Group	Function	Examples
Carbohydrates	Help your body work properly	Starch, Sugars, Fats
Protein	Needed for chemical reactions in the body	Meat, Fish, Eggs, Nuts
Vitamins & Minerals	Help your body grow and repair itself	Vegetables, Fruits
Fats and Oils	Act as an energy store	Oil, Butter, Margarine
Fibre	Gives you energy	Wholegrain bread, Oats
Water	Keeps our digestive system healthy	Water, Juices

**3. Food Groups and functions**

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**5. Key Vocabulary**

Carbohydrates	- high energy compounds that provide the body with energy	Raising agent
Protein	- contains amino acids which help build and repair the body	Additives: s
Vitamins / minerals	- essential nutrients which the body needs	Aesthetics:-
Fats / oils	- naturally oily substance used for cooking and occurring in the body	cause the bc
Fibre	- dietary substance that helps break down food for digestion.	Cross contour
		transferred I

**6. Important vocabulary for shape**

Shape	Description
Polygon	Any flat shape with three or more straight sides. When all the sides and angles of a polygon are equal, it is called a regular polygon.
Parallel	Parallel lines never meet. They are the same distance apart from each other all the way along their length.
Perpendicular	Two lines which meet at right angles to each other are perpendicular.
Translation	Translation moves a shape in any direction. The shape does not change size.
Symmetry	The line of symmetry divides a shape into symmetrical parts.
Edges	Where two faces meet.
Faces	A surface on a 3D shape.
Vertex	A vertex of a shape is a point at which 2 or more edges meet. It is more commonly referred to as a 'corner'.
Vertices	Multiple vertices.
2D	Two dimensional shape.
3D	Three dimensional shape.
Net	A pattern that you can cut and fold to make a model of a solid shape (3D).

**Year 6 maths knowledge organiser Summer 2**

Wk	Topic	Autumn	Spring	Summer
Wk 1	place value	PEP	PEP	PEP
Wk 2	caul	Autumn	Autumn	Autumn
Wk 3	appl	Autumn	Autumn	Autumn

**3D Shapes**

Name	Surfaces	Edges	Vertices	Picture	
	Flat	Curved	Flat	Curved	
sphere	0	1	0	0	
cube	6	0	12	0	
cuboid	6	0	12	0	
cone	1	1	0	1	
cylinder	2	1	0	2	
square-based pyramid	5	0	8	0	
tetrahedron	4	0	6	0	
triangular prism	5	0	9	0	
pentagonal prism	7	0	15	0	
hexagonal prism	8	0	18	0	
octagonal prism	10	0	24	0	
octahedron	8	0	12	0	

**Important vocabulary for statistics**

Term	Description
Data	Data means information. Graphs, charts and tables are used to represent this information and make it easier to understand.
Mean	The mean is the average of a list of numbers. Find the mean by adding the numbers and divide by the amount of numbers.
Median	The median is the middle value in a list of numbers listed in numerical order.
Mode	The mode is the number that occurs most in a list of numbers. If no number repeats as the mode, there is no mode.
Pie chart	Pie charts are used in data handling and are circular charts divided up into segments which each represent a value.
Line graph	A line graph is used to plot a set of data over an amount of time.
Axes	Axes are the horizontal and vertical lines used to frame a graph or chart.
	X axis is the horizontal axis. Y axis is the vertical axis.

### BMS OPEN EVENING

We continue to be extremely proud of our students here at Broadstone Middle School. On Tuesday 22nd May we held an Open Evening for KS3 as we have places available in Year 7 for September. We asked for volunteer students to give up their spare time to come into school to help us show off all the fabulous things we have to offer here. We were inundated with support and had pupils signed up to be tour guides, help with science demonstrations, cook delicious food for visitors and showcase their drama and PE skills amongst many other activities. The buzz around school was great, and it was lovely to hear BMS students talking so positively about our school and how much they enjoy learning here. They were also very knowledgeable about the term metacognition! Thank you for lending us your children, they are truly amazing!

## YEAR 5 BATH BOMB SALE!

Year 5 have had a fantastic and successful 'Soap and Glory' topic this half term! Following their visit from LUSH, they explored a range of science objectives investigating different materials and identifying an accurate method for producing the perfect bath bomb. Using this information, along with inputs about advertising and packaging, Year 5 pupils made their own bath bombs, along with packaging, logos and posters in order to sell their bath bombs for charity. Margaret Green, Routes to Roots and the Chernobyl's Children's Charity have all been in to visit Year 5 to explain how the money they raise will benefit and support their charity. The children showed great empathy and understanding and were extremely excited ahead of the sale. With excellent customer service skills, the event was a sell out and we raised a magnificent £211.35! Thank you to all of those who attended, it was a fantastic outcome to an exciting topic.



## BREAKFAST CLUB FOR YEAR 6—SATS WEEK!

The whole Year 6 team are so proud of the Year 6 pupils for their enthusiasm and hard work last week during SATS week. The pupils started every morning with breakfast in classes which was kindly donated by the Social Hub. During the tests themselves, all the pupils approached the tests with positivity, gave 100% effort and used many of the cognitive strategies they have been learning. To finish the week, pupils were able to bring in 'wheels' for a scooting session and they made their own ice-cream sundaes. Well done Year 6!



## HELENA CUTS IT FOR CHARITY!

It may seem like a drastic haircut, but for Helena in 6Y, this new 'do' is the result of a very thoughtful decision. Helena decided to cut her long locks to donate to the Little Princess Trust - a part of the charity Cancer Research that help make wigs for children living with cancer. As well as this, she has already raised a whopping £700 for the charity and hopes to raise more. We couldn't be prouder of Helena for deciding to do this and we absolutely love her new 'edgy' haircut which is thanks to Lucy A's mum, a local hairdresser. What a super role model for BMS.



## SPORTS NEWS!

Year 6 had a brilliant time at their activities day yesterday, with coaches from various sports (even a commonwealth volleyball player!!) giving them the opportunity to try out new and exciting sports. A big thank you to @Sportbu and all of the coaches for all of their help putting it together. Year 5 have their activity day on Friday 25th May.

A big thanks to Miss Marsh for organising such a fantastic day of outdoor fun!



## HOUSE POINTS UPDATE

House point totals are as follows:

Rowling	7681
Attenborough	7614
Da Vinci	7549
Dyson	7527

Top earners in each year group:

Year 5	Ella P	139
Year 6	Jessica M	204
Year 7	Storm M	89
Year 8	Susanna F	149

*Congratulations to Jessica M for achieving the highest number of house points for the school!*

## THE SOCIAL HUB

The Social Hub has once again funded furniture—this time for our Atrium. The space is now more useable thanks to unique triangular tables which can be put together in different ways and we have more multi-coloured chairs which brighten up the area. This will be a great space for learning and research outside the classrooms. Thanks to the wonderful members of The Social Hub who give up their spare time to raise money for the school which allows us to buy more resources and equipment to support learning! The Social Hub are always looking for extra help, whether it be to help out at a fundraiser, to be part of the decision making or attending meetings. If you are interested in joining this dynamic team, please contact the Social Hub: [thesocialhubbms@gmail.com](mailto:thesocialhubbms@gmail.com).



## DATES FOR YOUR DIARY...

**Wednesday 6th June**—Year 4 Quad Kids event at BMS with BMS sports leaders

**W/C 11th June**—Springdale First and Broadstone First spending the day at BMS as part of their transition to Year 5

**Friday 15th June**—Year 5 Compton Acres Trip

**W/C 18th June**—Bikeability course

**Monday 18th June**—Sports Day—KS2/3 Field events

**Thursday 21st June**—Sports Day track events whole school —parents invited to attend

**Save the date!** The Social Hub's annual Summer Party — Friday 15th June. Buy your tickets now!

## SPONSORED READING CHALLENGE

The whole school will be taking part in a sponsored read event after half term. This will be introduced by Usborne book rep, Mary Cusens. The aim is to promote a passion for reading and raise money to gain new books for our library.

Pupils that raise £15 or more will be invited to choose an Usborne book of their choice. There will also be book prizes and house points awarded for the class and pupil that raise the most money and a raffle for everyone that takes part. Good luck everyone!

**Friday 8th June**—assemblies to introduce challenge

**Monday 11th – Sunday 17th June**—reading challenge

**Friday 22nd June**—sponsorship forms to be returned.