

## Homework (20<sup>th</sup> October 2017, due Wednesday, 1<sup>st</sup> November 2017)

**Message:** Dear parents, thank you very much for the many constructive parents evening conversations.  
Dear children, thank you very much for your hard work this half-term.

### Spellings

After the holidays, we will be discussing and practising words with homophones. For example:

*isle/aisle, aloud/allowed, affect/effect, herd/heard, past/passed*

Please encourage your children to use a range of possible exercises (e.g.: mnemonics, rainbow-words, pyramid-words, quick-write, trace, draw around the word, Look-Say-Cover-Write-Check, word-outline and sentence writing) to practise these words. It would also be incredibly useful to practise spelling and handwriting of a range of tricky words from the Year 3/4 and 5/6 spelling lists (attached on page 2).

**English:** Please complete the attached reading comprehension task.

### Science

Just like last half-term, we would like to show-cast our learning as well as make learning fun and engaging. Therefore, we have decided to launch a rocket design competition. The rockets will be displayed in the school hall on one afternoon in the first week back. On the Friday of the second week, we will be sending our rockets into "Space". Together, this will allow us to celebrate a design award and an engineering award.

CHECK: <http://www.science-sparks.com/2012/03/12/making-a-bottle-rocket/>

Your designs will need to fulfil a range of criteria.

- 1) Use a 1.5L or 2L soft-drinks/water bottle (with screw-head intact).
- 2) The body of the bottle needs to be intact to be partially filled with water.
- 3) Aerodynamics

**Challenge:** How could you include a parachute like device to ensure a safe landing?

### Reading

Keep on reading & enjoying it.

### Maths:

**All:** Create a learning poster with all the knowledge you have acquired over the last half-term. Include:

- Place-Value (charts, using counters, using numicons, using multi-links ...),
- Addition and Subtraction:
  - ♠ laying out number sentences using different resources,
  - ♠ mental strategies,
  - ♠ columnar method (include exchanging) with examples,
  - ♠ Number Stories for number sentences and Place-Value,
  - ♠ Estimating and rounding – rules and examples,

Hot:

1. Calculate the following questions. First estimate (round to the nearest 10). Later, use the inverse to check.  
a)  $748+267$  b)  $958-442$
2. Calculate the following questions. First estimate (round to the nearest 10). Later, use the inverse to check.  
a)  $2,475+1,369$  b)  $7,426-3,762$

Hotter:

1. Calculate the following questions. First estimate (round to the nearest 100). Later, use the inverse to check.  
a)  $7,685+5,859$  b)  $7,168-3,294$
2. Calculate the following questions. First estimate (round to the nearest 1000). Later, use the inverse to check.  
a)  $27928+11,679$  b)  $20,859-13,748$

Hottest:

1. Calculate the following questions. First estimate (round to the nearest 100). Later, use the inverse to check.  
a)  $63,756+46,476$  b)  $40,786-29,877$
2. Calculate the following questions. First estimate (round to the nearest 1000). Later, use the inverse to check.  
a)  $427,396+257,249$  b)  $486,052-336,174$

Enjoy a restful break.

The Year 5 team

Websites to practise Maths:

- Mathletics (your old log-in and Password should still work).
- <https://www.topmarks.co.uk/maths-games/7-11-years/addition-and-subtraction>
  - ▲ e.g <https://www.topmarks.co.uk/maths-games/subtraction-grids>
- [http://www.learnberta.ca/content/me3us/flash/lessonLauncher.html?lesson=lessons/07/m3\\_07\\_00\\_x.swf](http://www.learnberta.ca/content/me3us/flash/lessonLauncher.html?lesson=lessons/07/m3_07_00_x.swf)
- Check the class-blog over the weekend.

### Statutory word list for Years 5 and 6

accommodate	equip (-ped, -ment)	programme
accompany	especially	pronunciation
according	exaggerate	queue
achieve	excellent	recognise
aggressive	existence	recommend
amateur	explanation	restaurant
ancient	familiar	rhyme
apparent	foreign	rhythm
appreciate	forty	sacrifice
attached	frequently	secretary
available	government	shoulder
average	guarantee	signature
awkward	harass	sincere(ly)
bargain	hindrance	soldier
bruise	identity	stomach
category	immediately	sufficient
cemetery	interfere	suggest
committee	interrupt	symbol (h)
communicate	language	system
community	leisure	temperature
competition	lightning (h)	thorough
conscience	marvellous	twelfth
conscious	mischievous	variety
controversy	muscle (h)	vegetable
convenience	necessary	vehicle
correspond	neighbour	yacht
criticise (critic + ise)	nuisance	
curiosity	occupy	
definite	occur	
desperate	opportunity	
determined	parliament	
develop	persuade	
dictionary	physical	
disastrous	prejudice	
embarrass	privilege	
environment	profession	

### Statutory word list for Years 3 and 4

accident(ally)	February	possess(ion)
actual(ly)	forward(s)	possible
address	fruit	potatoes
answer	grammar	pressure
appear	group	probably
arrive	guard	promise
believe	guide	quarter
bicycle	heard(h)	question
breath	heart	recent
breathe	height	regular
build	history	reign (h)
busy/business	imagine	remember
calendar	increase	sentence
caught	important	separate
centre	interest	special
century	island	straight
certain	knowledge	strange
circle	learn	strength
complete	length	suppose
consider	library	surprise
continue	material	therefore
decide	medicine	though/although
describe	mention	thought (Phase 5)
different (Phase 5)	minute	through (Phase 5) (h)
difficult	natural	various
disappear	naughty	weight (h)
early	notice	woman/women
earth	occasion(ally)	
eight (h)/eighth	often	
enough	opposite	
exercise	ordinary	
experience	particular	
experiment	peculiar	
extreme	perhaps	
famous	popular	
favourite	position	