

Literacy and Numeracy Workshop

18 November 2021

Please turn off your cameras and microphones
Comments will be turned off during the presentation, but you
will be able to ask questions at the end of the presentation in
the chat section of the meeting



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Literacy and Numeracy Workshop

Achievement Leader for Maths -

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Aims for this session:

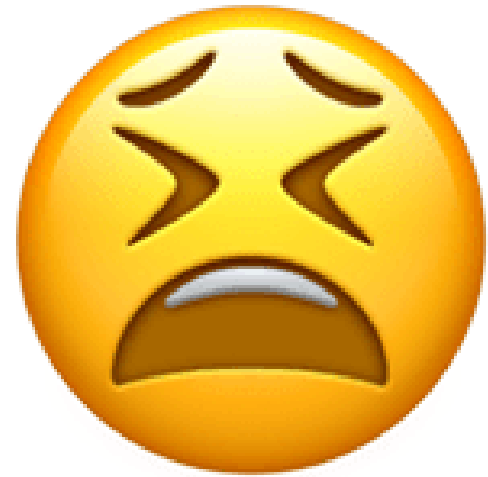
- To share current literacy and numeracy practices at Crestwood
- To equip parents with the knowledge and skills to support their child with literacy and numeracy at home.

Numeracy



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Eugh, maths.



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Why is it common to feel anxiety around maths?

- **Feeling Under Pressure**
- **Bad experiences at School**
- **Fear of Failure**
- **Being told “You’re not a maths person”**
- **Lack of support**



Which word would you use to describe
how you feel about maths?

Good Embarrassed

Confident Panic Fine

Interested Worried Excited Anxious

Nervous Bored
Happy



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Things your child's maths teacher wants you to know

**It's okay to
count on
fingers!**

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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Things your child's maths teacher wants you to know

**The methods teachers
use might be different
to the ones you
learned in school, but
that's okay!**

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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Things your child's maths teacher wants you to know

Tricks and shortcuts
sometimes do more
harm than good.

$$53 \times 10 = 530$$

$$5.3 \times 10 = \cancel{5.30}$$

53

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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Things your child's maths teacher wants you to know

**Anyone can have
success with
school
mathematics**

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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Things your child's maths teacher wants you to know

Find the mathematics around you

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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2l	1.25l	1.75l
Diet Coke Bottle	Diet Coke Bottle	Diet Coke Bottle
★★★★★ (23)	★★★★★ (23)	★★★★★ (23)
£1.85 (9.2p/100ml)	£1.00 (8.0p/100ml)	<div>£5 pizza deal</div> £2.10 (12.0p/100ml)
Add	Add	Add

<https://www.nationalnumeracy.org.uk/what-numeracy/how-improve-your-maths>













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Mix & match any
2 for £3

Mix and match - Mini bites - 2 for £3.00

Showing 1 - 20 of 20 items

 8+ days	 8+ days 100% recyclable tray	 100% recyclable tray		 5+ days
 20pk	 24pk	 22pk	 15pk	 16pk
ASDA Baker's Selection 20 Mini Milk Choc Chip Cookies ★★★★★ (22)	ASDA Baker's Selection 24 Mini Brownie Bites ★★★★★ (25)	ASDA Baker's Selection Mini Caramel Shortcake Bites ★★★★★ (21)	Cadbury Dairy Milk Chocolate Orange Brownie Bites ★★★★★ (1)	Cadbury Dairy Milk Mini Cookies ★★★★★ (10)
£2.00 (10.0p/each)	£1.65 (6.9p/each)	£2.00 (9.1p/each)	New £2.00 (13.3p/each)	£2.00 (12.5p/each)
Add	Add	Add	Add	Add



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Things your child's maths teacher wants you to know

**Being quick at maths
isn't the same as
being good at it**

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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Things your child's maths teacher wants you to know

**Mathematical thinking is
about more than just
'doing maths'**

[https://completemaths.com/blog/item/ten-things-your-
childs-maths-teacher-wants-you-to-know](https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know)



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Things your child's maths teacher wants you to know

How you talk about maths matters

<https://completemaths.com/blog/item/ten-things-your-childs-maths-teacher-wants-you-to-know>



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I was terrible at maths at school

I found maths hard at school, but look at me now

I hate maths

I didn't enjoy maths at school because I
found it difficult.

Maths is everywhere no matter how much
we try to avoid it



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Topics this half term....

Counting and comparing	9
Visualising and constructing	4
Investigating properties of shapes	5
Algebraic proficiency: tinkering	8

Year 7

Algebraic proficiency: tinkering	10
Exploring fractions, decimals and percentages	5
Proportional reasoning	11

Year 8

Algebraic proficiency: tinkering	10
Proportional reasoning	14

Year 9



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Everyone's favourite...

Algebra



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Simplifying

$$x + x + x$$

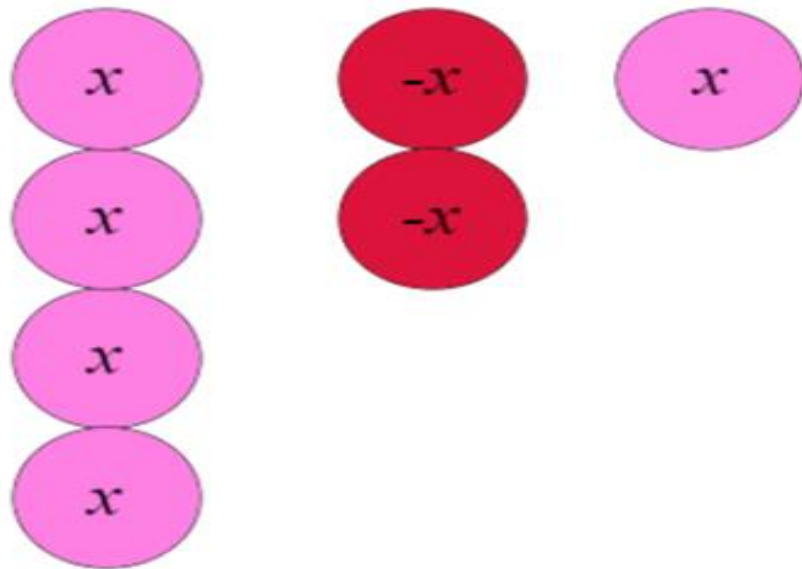


$$3x$$



Simplifying

$$4x - 2x + x$$

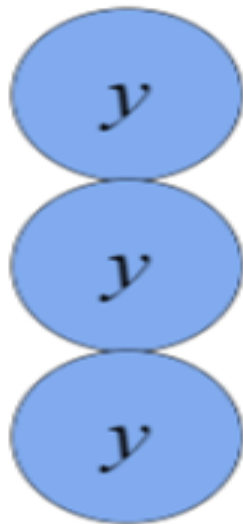
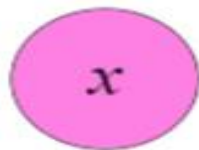
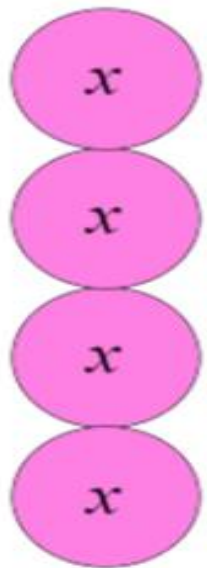


$$3x$$



Simplifying

$$4x - 2x + x + 3y$$

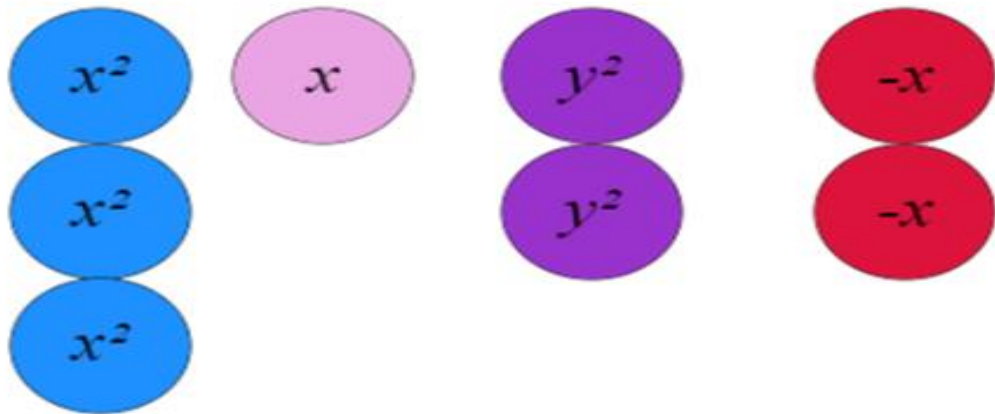


$$3x + 3y$$



Simplifying

$$3x^2 + x + 2y^2 - 2x$$



$$3x^2 + 2y^2 - x$$



Practice

A1.⓪

Simplify
 $7b - 5b$

A2.⓪

Simplify
 $6k - 2k$

A3.⓪

Simplify
 $6r - r$

B1.⓪

Simplify
 $3j - 8j + 9j$

B2.⓪

Simplify
 $2p + 4q + p$

B3.⓪

Simplify
 $7n - 6p - 9n$

C1.⓪

Simplify
 $11r + 14t - 15t + 13s$

C2.⓪

Simplify
 $6g - 9i - 9h - 5h$

C3.⓪

Simplify
 $8s + 10u - 3u + 11u$



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Practice

A1. ∪

$$2b$$

A2. ∪

$$4k$$

A3. ∪

$$5r$$

B1. ∪

$$4j$$

B2. ∪

$$3p + 4q$$

B3. ∪

$$-2n - 6p$$

C1. ∪

$$11r + 13s - t$$

C2. ∪

$$6g - 14h - 9i$$

C3. ∪

$$8s + 18u$$



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Be there.

You don't have to hover at homework time, but be around in case you're needed. If your child is frazzled by geometry problems they've been trying to solve for hours, for instance, suggest they take a break

A fresh mind may be all he needed, but when it's time to return to homework, ask how you can help.

Be in touch with school.

Classcharts is such a great tool to email teachers, about homework/classwork/behavior/effort etc etc. Even if you are trying to help your child with their homework and would like assistance from us.



Encourage your child to reach out.

Most teachers are available for extra help before or after school, and also might be able to recommend other resources.



Gmail



Corbettmaths



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Literacy



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Spellings and vocabulary

At Crestwood, we aim to equip all students with the vocabulary that they need to access the world around them, understand texts and articulate themselves clearly.

Vocabulary plays a **fundamental role** in the reading process and is critical to reading comprehension. Students will learn the meanings of most words indirectly, through everyday experiences with oral and written language. Other words are learned through carefully designed instruction - these are the words we are focusing on through our vocabulary lists.

Year 7

(A1)

1. Atmosphere
2. Benefit
3. Citizen
4. Community
5. Companion
6. Destination.
7. Embrace
8. Errand
9. Labour
10. Poverty

(A2)

1. Ablaze
2. Accomplice
3. Adrift
4. Environment
5. Experience
6. Distraction
7. Diversion
8. Fragrant
9. Inspiration
10. Multitude

Year 8

(A1)

1. Anthology
2. Attitude
3. Aware
4. Document
(verb)
5. Express
6. Insightful
7. Mature
8. Phase
9. Reminisce
10. Welfare

(A2)

1. Advocate
2. Appreciate
3. Communicate
4. Controversy
5. Ethos
6. Ignorance
7. Logos
8. Pathos
9. Participate.
10. Potential

Year 9

(A1)

1. Illuminate
2. Significant
3. Viewpoint
4. Theory
5. Rebellious
6. Sophisticated
7. Vulnerable
8. Connotation
9. Nebulous
10. Interpretation

(A2)

1. Universal
2. Intrepid
3. Specific
4. Astonished
5. Courageous
6. Critical
7. Precarious
8. Jeopardise
9. Enthralling
10. Exploratory



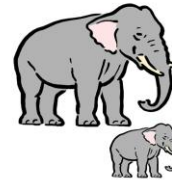
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Strategies for spellings:

- Look, say, cover, write, check
- Word pyramids
- Mnemonics
- Words inside other words
- Breaking down into syllables
- Word puzzles



because



- Big
- Elephants
- Can
- Always
- Understand
- Small
- Elephants

p
py
pyr
pyra
pyram
pyrami
pyramid

<https://thewordsearch.com/maker/>



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Strategies for definitions

Students remember word meanings better when they can connect new meanings to knowledge that they already have. This type of processing or “link” occurs when they are doing activities such as the following:

- Looking for antonyms and synonyms (similar and opposite meanings)
- Rewriting definitions for different levels (for a toddler, for a primary age child, for a peer, for an adult)
- **Looking at images and identifying whether it is an appropriate example of the word**
- Creating sentences that include the new word
- **Creating scenarios or stories that include the new word**

Each of the tasks outlined above reinforces both the definition and the contextual knowledge of the word.

Deterrent: A thing that is intended to discourage someone from doing something.



Deterrent: A thing that is intended to discourage someone from doing something.

Write out the conversation between these people, where the word 'deterrent' can be used:

1. A couple debating buying a puppy.
2. A grandmother discussing her gardening with her grandchild.
3. A parent having a phone call with their child about why they were late to school.
4. Two lifeguards having a conversation about people jumping in the pool.

We are going to explore the word...



Variant

1) Define it



2) Draw it



Can you draw a picture which represents our key term ?

7) Refine it



3) Use it



Can you use _____ in a sentence?

6) Deconstruct it



late Middle English (as an adjective in the sense 'tending to vary'): from Old French, literally 'varying', present participle of *varier* (see [vary](#)). The noun dates from the mid 19th century.

5) Root it



Can we explore any words with the same root?

4) Link it



Can you link the key term _____ to any other words you may know? Or to its use in other subjects?



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Accelerated Reader:

Students complete a 'STAR' test every half term which analyses their comprehension and reading attainment and provides data for a reading level and zone of proximal development (ZPD).

This ZPD is communicated to the students as a number which correlates to a 'book colour'.



0.0 - 1.9



2.0 - 2.9



3.0 - 3.9



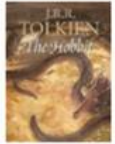
4.0 - 4.9



5.0 - 5.9



6.0 +



The Hobbit, or, There and Back Again

Tolkien, J.R.R.

AR Quiz No. 200090 EN Fiction

IL: UY - BL: 6.6 - AR Pts: 16.0

AR Quiz Types: RP, LS, VP

Rating: ★★★★★

This stirring adventure is a fantasy that introduces



Charlie and the Chocolate Factory

Dahl, Roald

AR Quiz No. 200005 EN Fiction

IL: MY - BL: 4.8 - AR Pts: 5.0

AR Quiz Types: RP, LS, VP

Rating: ★★★★★

Each of five children lucky enough to discover
takes advantage of the situation in their own w



The Gruffalo

Donaldson, Julia

AR Quiz No. 203199 EN Fiction

IL: LY - BL: 2.3 - AR Pts: 0.5

AR Quiz Types: RP, RV, VP

Rating: ★★★★★

Walk further into the deep dark wo
face with an owl, a snake and a hu

If they have a book from home, they can use: <https://www.arbookfind.co.uk/> to show them the reading level. Once they have read the book, they complete a 'quiz' which highlights any misconceptions the students have with either vocabulary, comprehension or contextual understanding.



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Example questions:

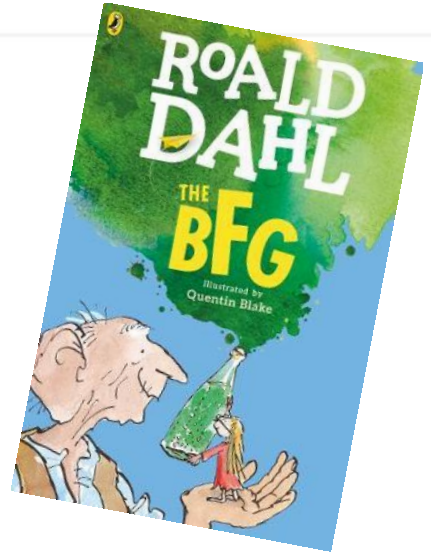
The only way kids could protect themselves from the Cheese Touch was to ---.

- A cross their fingers
- B wear long sleeves
- C stay in the "safety zone"
- D spray "invisible spray"



Sophie asked the BFG to swivel one of his big ears. To swivel is to ---.

- A remove or cut off
- B turn or rotate on a point
- C rub with soap and water
- D insert something in order to plug



Accelerated Reader: Student side.

1 Choose a book within your ZPD

- Check that it is in your ZPD range
- Look at the cover
- Read the blurb
- Look for authors you like
- Read the introduction
- Read the first page

2 Read your book

- Read for 20 minutes everyday
- Record what you're reading in your reading log

3 Search for the quiz

- Go to your Renaissance Place and **select** Accelerated Reader, type in the book's quiz number and click **Search**
- You can find the quiz number on the **AR label**
- **Select** how you read this book
- Click **Start Quiz**

4 Take the quiz ★★★★★

- You will have 3, 5, 10 or 20 questions to answer
- Read the question and all four answers
- Ask a teacher to explain a question you don't understand
- There are no time limits
- Click on the stars to rate the book
- Check your TOPS result

The next STAR test will be in English lessons in December.

Any issues with logins, please email:

Accelerated.reader@crestwood.hants.sch.uk

Thank you for attending tonight's workshop.

Please use the chat box for any questions.