# HOLY TRINITY ACADEMY

# PARENT WEEKLY BULLETIN

**WEEK BEGINNING 21/10/2019**

**WEEK 2**

## DIARY DATES—WEEK BEGINNING 21 October 2019

| | |
|---|---|
| MONDAY 21 October | Y11 & 13 booking system closes for Parents Evening |
| TUESDAY 22 October | |
| WEDNESDAY 23 October | Y11 & Y13 Parents Evening |
| THURSDAY 24 October | |
| Friday 25 October | Enrichment<br><br>Half term begins—normal Friday finish timings apply.<br>School re-opens on Monday 4th November. |

# WEEKLY NUMERACY PROBLEM

## INSTRUCTIONS

Questions and previous week's solution will be shared on a Monday.

Solutions should be placed in the box by the main reception with students name and tutor group clearly written.

Correct solutions will be awarded points.

The distinct letters from the word MEMORIAL are used to create set Z, such that Z = {M, E, O, R, I, A, L}. The letters from the word DAY are used to create set Y, such that Y = {D, A, Y}. If set X is the intersection of sets Z and Y, what are the letters in set X?

Dear Parent / Carers

Holy Trinity Academy is a High Performance Learning (HPL) Pathway School on its journey to becoming accredited as World Class.
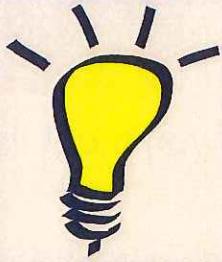
In order to have a baseline measurement from all of our parents /carers we would be extremely grateful if you could use the link below and answer a 5 minute survey about teaching and learning.

https://forms.gle/eNGyMTpSNAWbA1Gf6

Thank you for your time.

Yours sincerely

Mrs J Smith
Assistant Headteacher

# LAST WEEK'S NUMERACY SOLUTION

*A code for this lock can consist of three parts that are three presses of a single button, or two presses of a single button and one of two buttons pressed simultaneously, or one press of a single button and two of two buttons pressed simultaneously. Let's examine these three cases.*

**Case 1**: *The number of codes of the form [a][b][c] is 5 × 4 × 3 = 60 codes.*

**Case 2**: *For codes of the form [a], [b], [c&d], there are 5 × 4 = 20 options for [a] and [b], leaving $_3C_2$ =3 options for [c&d]. That gives us 20 × 3 = 60 combinations of the three parts, each of which can be arranged in 3 orders, for a total of 60 × 3 = 180 codes.*

**Case 3**: *For codes of the form [a][b&c][d&e], there are 5 options for [a], leaving $_4C_2$ = 6 options for [b&c], which then leaves 1 option for [[d&e], for a total of 5 × 6 × 1 = 30 combinations of the three parts, each of which can be arranged in 3 orders, for a total of 30 × 3 = 90 codes.*

*Therefore, the total number of distinct codes possible is 60 + 180 + 90 =*
**330** *codes.*

## PARKING NOTICE

Ricoh have requested that parents / carers collecting children by car from school, refrain from parking in the entrance to their factory. Ricoh have numerous heavy goods vehicles using the entrance on Priorslee Avenue and have expressed serious concerns about the number of vehicles parking in this entrance to pick up students from Holy Trinity Academy.

Thank you for your co-operation

## Free School Meals

Your child, or children, may qualify for Free School Meals if you meet the following criteria:

You or your partner have a child for whom you receive Child Benefit and who is attending a school or college in Telford and Wrekin and you get any of the following:

- Income Support
- Income-based Jobseeker's Allowance
- Income-related Employment and Support Allowance
- Child Tax Credit (provided you're not also entitled to Working Tax Credit and have an annual income gross income of no more than £16,190)

    support under Part VI of the Immigration & Asylum Act 1999

- Pension Credit (guaranteed credit)
- Universal Credit and your household income is less than £7,400 a year (after tax and not including any benefits you get).

## What you and your child gets?

A healthy well balanced lunchtime meal.

With cashless systems in schools only you and your child will know they are getting free school meals.

## How to apply

To apply for free school meals:

www.telford.gov.uk/fsm or call 01952 383983

No one will know you have registered and it will not affect any other benefits you are claiming.

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## NOTICE OF PARENT GOVERNOR ELECTION

Holy Trinity Academy currently has one vacancy for a parent governor.

Please log into our edulink communication system to access further information.

All nominations and completed paperwork should be returned

by 3pm on Monday 4 November 2019.

Dear Parent/Guardian,

## GCSE English Literature

You may be aware that, after half term, all Year 9 students will be studying **William Shakespeare's**

### *'Romeo and Juliet'.*

We strongly recommend that, where possible, pupils purchase their own copy of the text, so that during class study they can make detailed notes in it and highlight relevant quotations; this will provide them with an invaluable revision resource. The copy we would recommend purchasing is detailed below, but there are other versions which are cheaper.

*'Romeo and Juliet'*

*ISBN-13: 9781408236895*

*Series: Longman Schools Shakespeare*

*Format: Paperback*

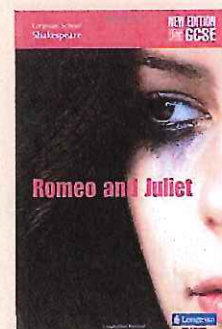*Publishers:  Pearson Education Limited*

If your child is Pupil Premium then the school will provide a copy.

Thanking you in anticipation of your support.

Kind regards


Ms A McArthur

Head of English

# Keeping teenagers safe

More crimes are committed against teenagers than any other age group, but here are some things they can do to keep safe on the streets:

- stay alert, and keep personal stereos/MP3 players turned off, so they can hear what's going on around them
- stick to busy, well-lit roads, and avoid short cuts through alley ways
- if your child thinks someone is following them, they should cross the road or go to a place with lots of people around, like a bus stop or shop
- your child could carry a whistle or shrill alarm around their neck or on a key chain to warn off suspicious strangers
- when travelling by bus, your child should try to use bus stops on busy roads
- if someone tries to take something from your child, tell them never to fight
- tell them to keep mobile phones and other valuables out of sight, and to turn off their mobile phone ringer to avoid attracting attention
- don't let your child carry weapons because they are more likely to be used against them, and it's illegal
- encourage your child to speak up if they are being bullied or feel they might be in danger

## Secret Message

Agents Boris and Bertha communicate using secret messages.

Boris sends Bertha the secret message: MEETBILLYBEAVERAT6

He writes each character in a 4 column grid as shown below.
(He puts an X in any unused spaces.)

The secret message is created by reading from top to bottom and column by column starting from the left: MBYVTEIBE6ELERXTLAAX

Bertha then uses the same method to reply to Boris. The secret message she sends him is: OIERKLTEILH!WBEX

### Question:

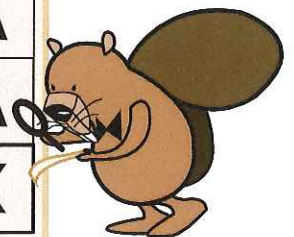What message does Bertha send back?

### Possible Answers:

OKWHERETOMEET!

OKIWILLBETHERE!

WILLYOUBETHERETOO?

OKIWILLMEETHIM!



| M | E | E | T |
| B | I | L | L |
| Y | B | E | A |
| V | E | R | A |
| T | 6 | X | X |

# UK Beaver Computing Challenge

## 4th – 15th November 2019

All Holy Trinity Academy Computer Science pupils in all years will have the opportunity to take part in a national problem-solving competition that will test their computational thinking, decomposition, algorithms, and problem-solving skills. The tasks can be solved without prior knowledge but instead require logical thinking.

This competition consists of challenging puzzles set across different age ranges. This is an increasingly popular contest which previously has students from over 40 countries entering the competition, which is supported by Google and Oxford University.

The first round of the competition is held in school and students have to try and solve as many problems as possible in the allotted one hour time slot.

There are six age categories and the highest scoring students from the four oldest age groups (Elite, Seniors, Intermediate, and Juniors) get the opportunity to be invited to the Department of Computer Science at Oxford for the finals over two weekends in February.

All students entering will receive points for their house, and generous personal reward points for the overal winners.

**Have a go at the challenge on the next page!**

More past competitions can be found at:

http://www.bebras.uk/prepare.html


Mrs Edwards

Computer Science Department