



Christmas Concert

Our 'Turing Christmas' Carol Service was again a great success with some exceptional solo performances. All are available to watch online:

turinghouseschool.org.uk/performance-xmas16.php



Shoebboxes

Boxes are being collected by Rotary on Tuesday 13th December. They are already building up under the tree so please let us have any final donations at the start of next week.



Forthcoming Events

- 15th Dec:** School Christmas Dinner
- 16th Dec:** *Save the Children* Christmas Jumper Day
- 16th Dec:** Last day of term, 2pm finish
- 3rd Jan:** INSET day, School closed to students
- 4th Jan:** First day of term for students

Special Thanks

A huge thank you to Miss Parsons and her Elves for the Christmas Confectionery they produced for our Carol Concert. Not only were the finished products extremely popular but the packages they put together for making them at home sold out completely!



Christmas Lunch

We are looking forward to Christmas lunch on Thursday next week. Tickets have all been sold. For those that have not purchased one, please do remember a packed lunch and come and join in the fun.

Fixtures

- 13th Dec:** Y8 boys' Football Tournament at Hampton High
- 14th Dec:** U14 mixed Dance at Orleans Park School

Christmas Book List

Thanks to Turing House Friends for once again organising our Christmas Library wish list on Amazon. If you would like to buy the library a Christmas present you can find it here:

https://www.amazon.co.uk/gp/registry/wishlist/3OHZ1M6U9CLY0/ref=cm_sw_em_r_wsvg_66kpybWCV755R_wb

Or just search for Turing House School on Amazon's wish lists.

End of Term – 16th December

The last day of term is Friday 16th December. There is a slightly different timetable for the day but normal lessons take place for periods 1-3. Please make sure students bring the appropriate books and equipment. They also need £1 for charity if they are wearing a Christmas jumper! After an early lunch there will be an end of term assembly for each year group. Students will be dismissed from school around 1.45pm.

Start of Term – Wednesday 4th January

Staff return on Tuesday 3rd December for a training day and students should return for their first lessons at 0830 on Wednesday 4th January. Don't forget to pack the right things as there is an amended timetable running from that day! See below.

Miss Cusworth

We say farewell to Miss Cusworth at the end of next week as she moves on to her new role at a school in central London. Her form in particular will miss her, as will the STEM club who have been meeting outside recently in all weather. It is a testament to her work with them that they have remained so committed!

Miss Cusworth's form will be taken over by Mrs Clifford, her science classes will be taught by Miss Wilkinson and Miss Barnes and her maths classes will be taught by Miss Emerton, Mrs Winch, Mr Mackinlay and Mrs Robinson (the RET maths adviser). More details below in timetable changes.

Welcome

We are pleased to welcome two new staff to the school for January. Mr Woodward is joining us as our new PE teacher and will also take over Mr Day's History and PSHCE Classes. Mrs Bardrick-Gidlow joins us as our new SEND practitioner.

Timetable Changes

The staffing changes detailed above mean that we've re-organised the timetable slightly to ensure as much continuity of staffing as possible. PE days remain the same as they have been for both Y7 and Y8 though so no need to change your routine for getting school bags ready! Maths and science classes have some changes to the class teacher:

Year 7 Science

Miss Barnes: 7AM1

Miss Wilkinson: 7AM2, 7AM3, 7BM1, 7BM2

Year 7 Maths

Miss Emerton: 7AM1, 7AM3, 7BM2

Miss Barnes: 7AM2, 7BM1

Year 8 Science

Miss Barnes: 8MSP, 8MSQ

Miss Wilkinson: 8MS1, 8MS2

Year 8 Maths

8MS1: Mrs Robinson and Mr Mackinlay

8MSP: Miss Emerton

8MSQ: Miss Emerton and Mrs Winch

8MS2: Miss Emerton and Mrs Winch

Students will receive new timetables next week to bring home and also for their planners.

Cross Country Tournament

On 25th November a selection of students were chosen to compete in the Richmond Cross Country races. There were good performances from all students. A special mention to Olivia and Yasmin from the girls and Billy and Joseph from the boys who all ran great races. Thank you to everybody who ran. *By Joe L and Billy B*

Cycling Kit

We are pleased to announce that with some funding from Sport London, we have purchased KS3 cycling kit.



We are very much looking forward to competing in this new kit in the summer.

Road Safety - Bicycle

If you are thinking of getting new bicycle lights for the winter months, a flashing front light (movement) attracts the eye, so a blinking light is easier for cars to spot, particularly when most drivers are looking for the double headlights of a car. We are also delighted to announce that on the 10th January (3:15pm - 4:15pm) <https://roadcycleexchange.com> have very kindly agreed to run a taster mechanics session, 'Looking after your bike' for our students. Road Cycle Exchange, based in Kingston, is quite a new shop where you can buy and sell great used bikes with confidence and ease. All of their bikes are fully traced and serviced. If you are interested in taking part in this session, sign up with Mr O'Sullivan & bring your bike in on the day.



PE: 7CU and 7DV

7CU and 7DV have now had their last swimming lesson. **Next Tuesday** for their PE lesson they will need to bring their **outdoor kit**.

Mensa

Test papers have now arrived. Testing will take place in the first few weeks of January. Please continue to work through the puzzles and complete additional puzzles on the Mensa website <http://www.mensa.org.uk/puzzles>

MENSA Puzzle

What number should appear next in this sequence?

15 95 155 195 ?

Last Week's Answer: 231.

Year 8 Cricket Tournament

On 18th November the Turing House boys' cricket team took part in a tournament at Grey Court School. When we got there we got straight into action, with our first match against Grey Court. Ethan H came in with a frightening first over, taking three wickets. This put us in a steady position. However with a great batting partnership built for Grey Court they slowly steered away. Unfortunately the first game ended in defeat. This was never going to put our heads down so we came into the next match fighting our way through the challenge. So with a great bowling performance from Freddie M and a great batting performance from George H, we steered to victory. We went into the last match confident we could win. Everyone was cheering us on against RPA and this was a very tight game but it came down to the last over. Once again Freddie M had to bowl this over and what a great job he did! We had done it again; we had won another match. Unfortunately due to runs scored RPA were champions, however Turing House came an impressive 2 place.

Y7 Boys' Rugby v Bishopshalt

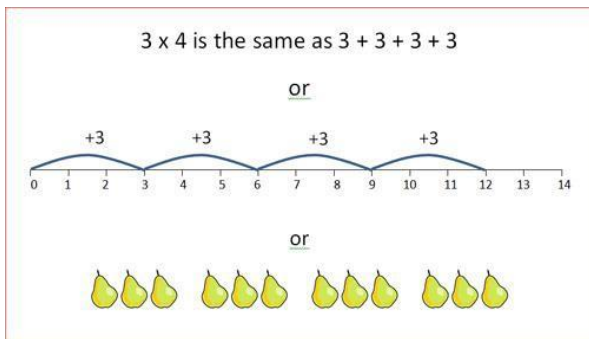
On 23rd November, Turing House Boys' Rugby team played Bishopshalt School in the London Rugby league Tournament. We only had 9 players so we had play without any subs against a team who had more the 5. However, we were not fazed by this and were determined to play rugby to our full capacity.

Dominating straight out of the blocks, we put numerous points on the board and our eyes lit up with excitement when in defence. It was not until the second half that the opposition even scored a try and that made us even more eager to score again. We used fantastic hands and speed to dominate throughout the whole match. The final score was roughly 95 – 5 to us. The man of the match, for his outstanding performance, was Charlie H.

Consistent Mathematical Methods

Stages in Multiplication

1. Repeated addition



2. Number arrays

For example, the following array illustrates that

$3 \times 6 = 18, 6 \times 3 = 18, 18 \div 6 = 3, 18 \div 3 = 6$



3. Mental method - partitioning by multiplying tens first:

$38 \times 7 = (30 \times 7) + (8 \times 7) = 210 + 56 = 266$

4. Grid layout

This method is a STEPPING STONE and supports a concrete approach to expanding and factorising brackets

For example, $38 \times 7 = 210 + 56 = 266$

	30	8
7	210	56

Extend to bigger numbers: 56×27

$56 \times 27 = (50 + 6) \times (20 + 7)$

	50	6
20	1000	120
7	350	42

5. Vertical column format, expanded working

$$\begin{array}{r} 38 \\ \times 7 \\ \hline 56 \quad (8 \times 7) \\ 210 \quad (30 \times 7) \\ \hline 266 \end{array}$$

6. An 'efficient' method for short multiplication

342×7 becomes

	3	4	2
x			7
<hr/>			
	2	3	9
		2	1
<hr/>			
	Answer: 2394		

7. An 'efficient' method for long multiplication.

Begin with the units, then hundreds, thousands,...

Students should approximate the answer before beginning the calculation.

24×16 is approximately $20 \times 20 = 400$

$$\begin{array}{r} 24 \\ \times 16 \\ \hline 144 \quad (6 \times 24) \\ 240 \quad (10 \times 24) \\ \hline 384 \end{array}$$