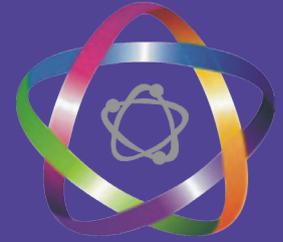


# aspire

2013-14 Lent edition



## Head's Up

This half-term is always a busy one within school and one in which we focus on what is going on inside the classroom. Year 11 students are starting to have a clear focus on the examinations ahead and all students have well and truly got their teeth into the year.

We are delighted with how students are working in lessons and the continued energy and enthusiasm they show for all they are doing outside of lessons. This term we have continued our focus on reading, part of our drive to make sure every student reads for pleasure. All research shows how much this makes a difference to language development, written and spoken communication and eventual success. I hope that you too might find something to inspire you to read amongst our "subject reading walls" inside. Our Christmas lunch (whilst seemingly a long time ago now) was once again a great success. It wouldn't be our Lent edition without a picture of Mr Martin in a Christmas hat!

Julia Upton



# DEBENHAM'S



Treesum in action

Peter and Christian with Naomi

As usual we ended the Autumn Term with our usual run of festivities. After Christmas lunch and our Carol Services at St. Mary's Church in Debenham, comes our annual talent show. After week-long auditions the cast is set and all students get to hear the range of talents (including those of some of the staff). The competition this year was fierce, but Billy Apps and Ellie Saunders stole the show (and the much coveted trophy!). The afternoon ended with the final act performed by the staff band, including a final performance from Mr Steel who has gained promotion and left us at the end of the Autumn Term.



# GOT TALENT



CONGRATULATIONS TO ALL THE ACTS  
TREESUM (WILL ALDIS, NIALL THOMAS, IWAN LLOYD AND TOBY SHARPE),  
MADDY VAUGHAN, KAITLIN TURNER, POPPIE JONES, GEORGIA DAWSON, BEN  
DENTON-CARDEW, AIDAN WISEMAN, BILLY APPS, ELLIE SANDERS, NAOMI  
SHARPE



# What are you reading?

## Book mastermind

The competition was intense this year as a record number of students entered our Book Mastermind competition. This round in school determines who goes through to the county final and this year it took a tie break round to decide the winner. Eddie Speight narrowly pipped Sophie Caves and Lily Hudson as the final winner. In the county round of the competition Eddie came an amazing third and was the only student who scored twenty out of twenty on his chosen book. Eddie now progresses to the regional finals. Well done Eddie and good luck for the next stage.



## Inspired by Science? Read on...

**What Mad Pursuit** by Francis Crick  
A Personal View of Scientific Discovery

Have you ever wondered if a severed head retains consciousness long enough to see what happened to it? Or whether your dog would run to fetch help if you fell down a disused mine shaft? A fascinating account of some of the most interesting biological and psychological experiments in history.

**THE DOUBLE HELIX**  
THE DISCOVERY OF THE STRUCTURE OF DNA  
James D. Watson

Ever wondered how we know what is at the centre of the Earth, or what a black hole is? As Bill Bryson travels through time and space he encounters a splendid collection of astonishingly eccentric, competitive, obsessive and foolish scientists. A must-read for anyone who wonders why?

**SIX DEGREES**  
MARK WILKINS

This book explores what might happen if global warming ticks in degree by degree. A slightly terrifying eye-opening and account of the future of our earth, and our civilisation.

**SIX EASY PIECES**  
RICHARD P. FEYNMAN

Richard Feynman was one of the great physicists of his time. In the book he introduces the essentials of Physics including atoms, the theory of gravitation and quantum behaviour. Feeling really brave? Try Richard Feynman's 'Six not so easy pieces.'

## ICT and COMPUTING BOOKS

**3D Game Programming for Kids**  
Chris Strom

A beginner's guide to creating games in JavaScript. Suitable for a solo teenager or younger person with adult help. Chris Strom wants to share his love of programming with you.

**A Female Genius: How Ada Lovelace started the Computer Age**  
Anna Esmeley

Ahead of her time, Ada was the visionary who recognised the true potential of Babbage's cog-wheel computer, The Analytical Engine. She demonstrated to the world that computers wouldn't merely be adding machines, but that they would be able to think.

**iOS Apprentice**

**active**  
CONTROL YOUR PC FROM ANY DEVICE

**GOOGLE**  
THE COMPANY AND ITS FUTURE

## READING TO ENJOY AND UNDERSTAND HISTORY

Enjoy traditional books, e-versions of journals or the fun of Horrible Histories — there is something for everyone.

**John Guy** is a British historian and biographer. Born in Warragul, Victoria, Australia. Guy moved to Britain with his parents in 1952.

**THOMAS BECKET**  
JOHN GUY

Historical fiction is also a good way to understand a time period—both the facts and the ethos of the time eg Michael Morpurgo writes of World War One in "War Horse" and "Private Peaceful"; World War Two in "Friend or Foe".

For something lighter but good fun... Terry Deary is a British children's author of over 200 books, selling over 25 million copies in over 40 languages. Born: March 4, 1946 (age 67), Sunderland, Tyne and Wear.

**Sir Ian Kershaw, FBA** is a British historian of 20th-century Germany whose work has chiefly focused on the period of the Third Reich. Born: April 29, 1943 (age 70), Oldham Education: Merton College, Oxford, University of Liverpool

**HORRIBLE HISTORIES!**

Stuck for something to read? Look at the reading posters that are up around school - there is something for every subject and every taste. Book or magazine, fiction or non-fiction reading IS good for you.

## If you Like Mathematics, you'll Love these .....

**THE CRACKING CODEBOOK**  
SIMON SINGH

Simon Singh has written many books which explore the historical development of mathematics. His most famous, The Code Book, has recently been adapted for a teenage audience. It perfectly intertwines the intriguing, espionage and pure mathematics involved in code breaking. His most recent book "The Simpsons and their Mathematical Secrets" offers an entirely new insight into the most successful cartoon in history.

**Why do Buses Come in Threes?**  
ROB EASTWOOD

Rob Eastwood has written a range of books which raise, and answer mathematically, a range of questions about everyday life. Why is it better to buy a lottery ticket on a Friday? Why are showers always too hot or too cold? And what's the connection between a rugby player taking a conversion and a tourist trying to get the best photograph of Nelson's Column? These and many other fascinating questions are answered in his entertaining books.

**THE PENGUIN CURIOUS AND INTERESTING NUMBERS**  
DAVID WELLS

What do the Apollonian gasket, Dandelion spheres, interlocking polyominoes, Pascal's porism, Fermat points, Fatou dust, the Voderberg tessellation, the Euler line and the unburnable room have in common? This dictionary of numbers, arranged in order of magnitude, exposes the fascinating facts about certain numbers and number sequences. The aim of the book is to entertain and enthrall the reader, which it certainly does.

**eureka**

Eureka is a journal published annually by The Archimedeans, the Mathematical Society of Cambridge University. It includes many mathematical articles on a variety of different topics—written by students and mathematicians from all over the world—as well as a short summary of the activities of the society, problem sets, puzzles, artwork and book reviews.

**2006 PROFESSOR STEWART'S CABINET OF MATHEMATICAL CURIOSITIES**  
IAN STEWART

IAN STEWART'S BOOK IS A COLLECTION OF OBSERVATIONS ON MATHEMATICAL PHENOMENA. HE TELLS THE MOST ENLIGHTENING, ENTERTAINING AND WEIRD 'CURIOSITIES' OF MATHEMATICS OVER THE YEARS. THERE ARE SOME HIDDEN GEMS OF LOGIC, SECURITY AND PROBABILITY LIES HOW TO EXTRACT A CHERY FROM A CRYSTAL BALL HARDER THAN YOU THINK. A POP UP DODECAHEDRON AND THE REAL REASON WHY YOU CAN'T DIVIDE ANYTHING BY ZERO.

# Musical opportunities



As part of our focus on careers (see more in our next edition) on Friday 7 February, Years 10 and 11 GCSE Music students experienced a taste of what it takes to put on a professional concert. The students were invited to watch the rehearsal of the Orchestra of St. Paul's at the Apex in Bury, led by the conductor Ben Palmer. During the rehearsal, opportunities were given for questions about the music and what life is like as a professional orchestral musician and conductor. Much to the surprise of some students, they learnt that musicians do actually get paid for playing their instruments and putting on a concert! Also, the students were able to explore the different instruments in the orchestra, which would give them invaluable knowledge for their GCSE music listening exam. After a visit to Pizza Hut for tea, they all returned to the Apex to watch the polished performance.



Will proving in Year 11 Charity week that you can wear one hobby and practise another one at the same time



Harry using his talent for a good cause

# All in a good cause



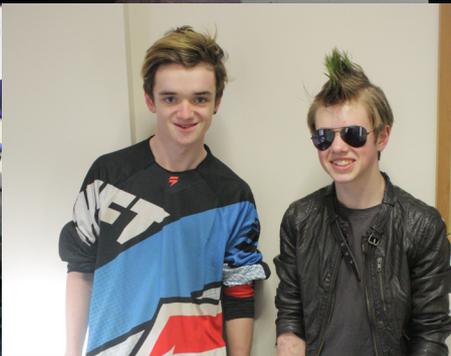
## Year 11 Charity Week

Year 11 charity leaders Anna Kinge and Calvin Coe designed, planned and executed our most inventive charity week yet. With a range of different activities throughout the week there really was something for everybody. Activities included a FIFA tournament (Henry Fowler and Issac Plummer battled it out in the final, with Henry the eventual winner); 24 Year 11 students in a one hour dance-athon (accompanied with some “Dad” dancing from Mr Trevorrow); busking by some of our very talented musicians throughout the week; a house tug-of-war competition (which created a titanic and raucous battle); the ubiquitous cake sake; and a “wear your hobby” themed dressing up day.

Through this inventive and fun week of activities the students raised over £900 for their chosen charity, CLIC Sargent Children’s Cancer Care.



# Year 11 Charity Week



# Sporting superstars

In this edition we have chosen to focus on some of our sporting superstars. There are many students who compete in sport to a very high level, inside and outside of school. Here are just a few that have been making the headlines this last month.



**Left: Dawn Poole - Right - Under 13 boys hockey team**

**Dawn Poole:** Along with Eve Poole, Rohan Ethcingham and James Poole, Dawn has been representing her county, and now the Eastern region in waterpolo. Dawn was recently captain of the team that played and achieved great success in Bath in January.

**Under 13 Boys Hockey:** The team won the High Suffolk School Sport Partnership Hockey tournament. They beat Thomas Mills 3-0 and Hartismere 5-1. The boys are now through to the county finals after half term.

**John Millar:** You may recall John from a previous edition which featured our cross-country champions. John went on to the regional competition and came a stunning tenth. He now progresses to the NATIONAL finals - WOW!

**Rebecca Palfrey:** Becca devotes considerable time and effort to dance. Just before Christmas she took Academy of Dance examinations in ballet and tap. She is currently rehearsing for Swan Lake with the English Youth Ballet.

**Calvin Coe:** Congratulations to Calvin Coe who will be swimming at the the ASA Eastern Counties Swimming Championship against swimmers from Suffolk, Norfolk, Cambridgeshire, Bedfordshire and Essex. He has already qualified in seven events and hopes to achieve the qualification time in more at the Suffolk County Chamionships next month.

**Left: John Millar - Middle - Rebecca Palfrey - Right - Calvin Coe**

