



FOOTBALLER VISIT

April 2024
Week 28

Lewis Miley, a professional footballer at Newcastle United, visited us this week on Thursday to reward Ethan P (Y7) with a signed Newcastle United shirt for his outstanding attendance last term.



Lewis joined us to congratulate our latest attendance winner Ethan P in Year 7. Huge thank you to Mr Findlay & Mrs McManners for facilitating this competition. Look out for our next one!



FORCES DAY

North Durham Academy and Stanley area action partnership held a Joint cadet forces engagement day at North Durham Academy on Monday 22 April 2024. The event was an excellent opportunity to engage with the Police, Fire, Army and Royal Air Force Cadets.

Whilst the event was aimed at our year 8 pupils initially, pupils in other year groups across the academy showed a keen interest in taking part. The year 8 pupils took part in a range of workshops throughout the day including virtual flying, ration tasting and life saving skills. The finale of the day was observing emergency services rescue a victim from a road traffic incident by cutting the roof off a vehicle.



PROFESSOR IAN NEAL JP DL DPHIL PGCE PFHEA FRSA

The event was a wonderful showcase for the school, of course, and I have to say how much I felt "at home" under your roof. The school has a lovely "feel" about it. I used to be Dean of the faculty of Education and Society at the University of Sunderland and was Head of Teacher Training in my time, so I have visited a huge number of schools - your Academy is one of the most impressive I have ever visited in its fabric, its "vibe" and of course its students. It is a very, very inspiring place.

FORCES DAY

North Durham Academy are currently in the process of organising future events to broaden the number of pupils who are able to experience the wonderful activities the joint cadet forces are able to offer.

It is hoped that an increasing number of pupils have been inspired by their experience and now wish to join one of the cadet forces. This will enable more young people to occupy their time on an evening and weekend, reducing the number of young people who have no structured or purposeful activities to do in the community.

Mrs Meneer will be supporting pupils in securing places within the cadet forces.



ENRICHMENT AFTER SCHOOL *Updated!*

Timetable

Monday

- Boys Boxing Club - Drama Studio
- Photography Club - 2.15
- Dance Club - Dance Studio
- Futsal Club Year 9 & 10 - Sports Hall

Timetable

Tuesday

- Futsal Club Year 7 & 8 - Sports Hall
- Books and Books! Book Club - Library
- Technology Making Club - 0.50
- Homework Club - 1.47

Timetable

Wednesday

- Netball Club - Sports Hall
- Coding Club - 2.15A
- Debate Club - 2.25

Timetable

Thursday

- Girls Boxing Club - Sports Hall
- Dodgeball - Sports Hall
- Homework Club Year 9 & 10 Lunch - 0.50

Timetable

Friday

- Basketball Club - Sports Hall

CODEBREAKERS

Our Year 7 students (2 classes) attended a fantastic “Code Breakers” session held by University of Sunderland (23/04/'24) in our Science Department.

The session involved learning code breaking techniques such as alphabet shift, morse code and using symbols & shapes.

Our students then continued to apply their newly learned skills to solve a crime (finding a stolen diamond!).

CODE BREAKERS

WE ARE THE LIFE CHANGING
UNIVERSITY OF SUNDERLAND



LEARNING OBJECTIVES

Today we will:

- Explore different forms of coding
- Use problem solving knowledge to solve a mystery case
- Discover which degrees involve coding



SYMBOLS & SHAPES

Another way to code a message is to replace the alphabet with symbols and shapes.

This is a little trickier to decode than the alphabet because if somebody intercepting does not know the code, they would have to spend hours working it out.



MORSE CODE

Although Morse code is an audio transmission of coded messages, we are going to take a look at how it can be written down.

Have a look at the Morse code alphabet and see if you can crack this code.

MORSE CODE

A ●—	J ●— — —	S ●●●
B ●●●●	K ●— ●●	T — —
C — ●●●	L ●— ●●	U ●— —
D — ●●●	M — — —	V ●●●●
E ●	N — ●	W — ●—
F ●●●●	O — — — —	X ●— ●●●
G — — ●	P — ●— —	Y — ●— ●
H ●●●●	Q — — — ●	Z — — ●●
I ●●	R — ●—	

! Answers

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ALPHABET SHIFT

A simple way to code a message is to use the tools that we already have.

The alphabet can be used as a coding tool, as long as you know what you're doing!

By shifting 1 or 2 times to either the left or right, a nonsensical message can be transformed into a top secret message.

See if you can work out what the following messages say by shifting all the letters to the left or right.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

G D K K N

LX EZUNTQHSD SNMFTD
SVHRSDQ HR

QDC KNQXX XDKKNV KNQXX

! Answers

A STOLEN DIAMOND

A world famous diamond worth £500,000 has been stolen from an exhibition and nobody knows who did it, how they got away or where they are now.

You have been tasked by MI6 to track down the precious diamond and save the exhibition. You will have to use all of your code-breaking knowledge to find it.

One night you turn the radio on and hear strange noises. You write down what could be a message...



CODEBREAKERS

MYSTERY SOLVED

Congratulations, you've solved the mystery and found the diamond.

The only thing is that the thief got away and left no trace.

You're sure that they will be back and when they return, you'll be ready with your knowledge of coding and problem solving.



Key Contacts at North Durham Academy
Our phone lines are often busy with inbound calls.
You can also use the following methods to contact key staff:

Year 7

Head of Year - Ms K Hodge
t: 01207 292180
e: K.Hodge@ndacademy.co.uk
Year Manager - Ms H Wynne
t: 07780 431905
e: H.Wynne@ndacademy.co.uk

Year 10

Head of Year - Ms B Robson
t: 01207 292180
e: B.Robson@ndacademy.co.uk
Year Manager - Mr S Findlay
t: 07780 431903
e: S.Findlay@ndacademy.co.uk

Year 8

Head of Year - Mr J Lee
t: 01207 292180
e: J.Lee@ndacademy.co.uk
Year Manager - Ms E Hanlon
t: 07535 536293
e: E.Hanlon@ndacademy.co.uk

Year 11

Head of Year - Ms S Graham
t: 01207 292180
e: S.Graham@ndacademy.co.uk
Year Manager - Ms A Graham
t: 07780 431895
e: A.Graham@ndacademy.co.uk

Year 9

Head of Year - Ms K Clydesdale
t: 01207 292180
e: K.Clydesdale@ndacademy.co.uk
Year Manager - Ms K Smith
t: 07780 431891
e: K.Smith@ndacademy.co.uk

