



Weekly Newsletter 18th September 2026

Dear members of the Aldercar High School community,

We are delighted that our school values of Ready, Responsible and Respectful are becoming our common language and culture. It has been a super positive week where our climate for learning has been of a high standard. An external experienced educator commented that 'there is a calm, inclusive and purposeful culture. Pupils demonstrate positive attitudes towards learning, movement around the site is orderly and staff consistently apply a relational approach'.

Please enjoy our weekly newsletter.

Year 5 and 6 Open Evening [Early Closure]

on the 23rd of September we open our doors to our prospective students and parents. It is a wonderful opportunity for our community to see who we are and what we are about.

Wednesday, 23 September
5-7 PM

Pupils benefit from warm and positive relationships.

OPEN EVENING

- Tour the school
- Meet teachers
- Review curriculum
- Ask questions
- Complimentary food samples and Refreshments

This is a caring and inclusive school.

For more info:
01773 721477
Visit us:
www.aldercarhigh.co.uk

EMBARK
F E D E R A T I O N

Due to this event taking place, Aldercar High School will close early at 1330 on that day to support Preparations.

Important Communications

This week we have sent two important letters to parents. One letter is regarding changes to our administration of medicines processes, and the other one is regarding nut allergy awareness. Please follow the links to these letters.

[Nut-Allergy-Awareness-Letter.pdf](#)

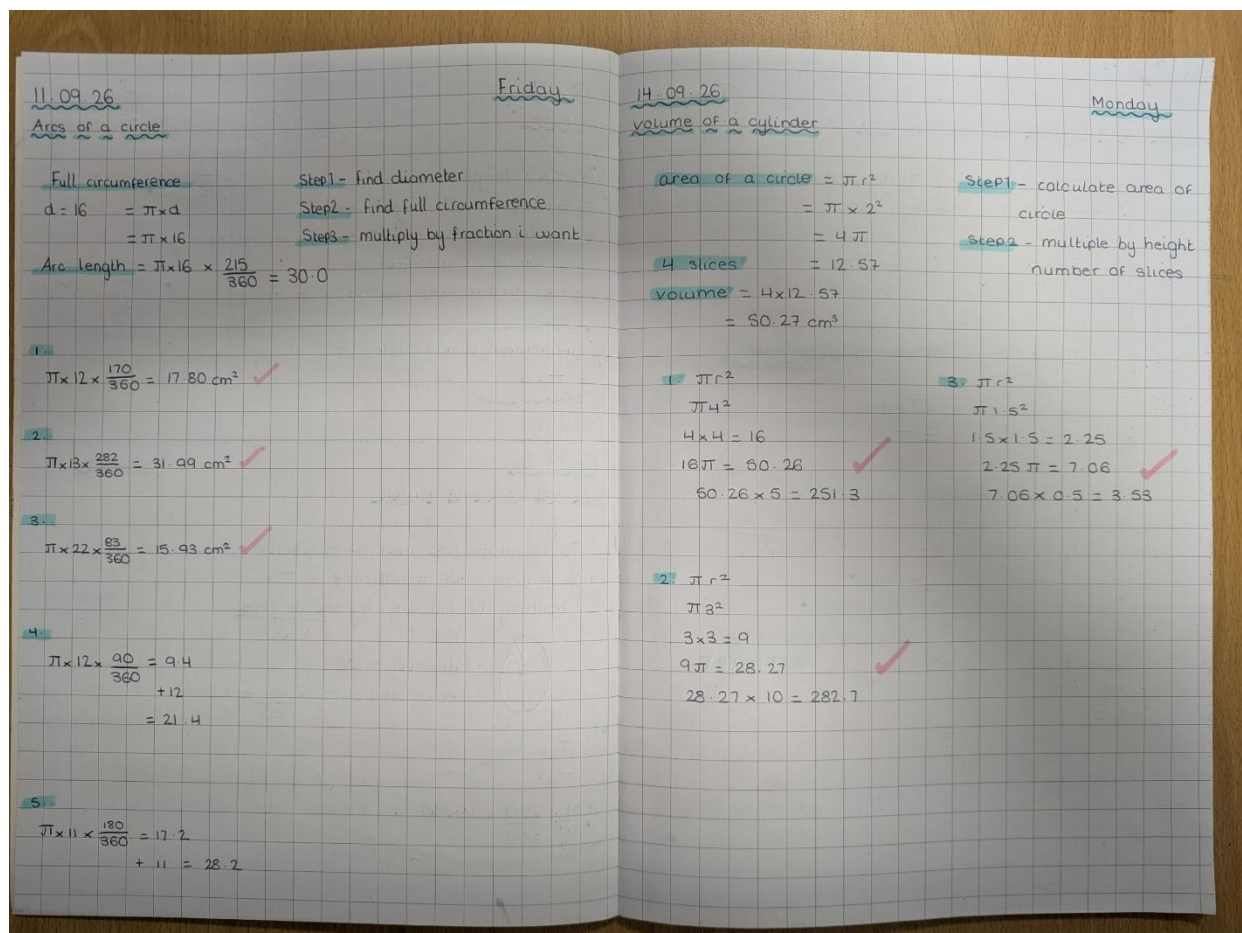
[Administering-of-Medicines-Letter.pdf](#)

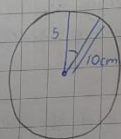
Curriculum Capture: Mathematics

The Maths Department has enjoyed a very positive start to the new academic year. Students have settled quickly into lessons and have embraced the routines and expectations of the classroom. It has been wonderful to see such high levels of engagement and enthusiasm for learning across all year groups.

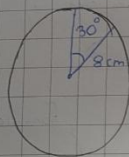
We are also delighted to welcome Miss Sutcliffe back to the department after she successfully completed her PGCE last year.

We have been particularly impressed by our Year 11 students, who have returned with a mature and focused attitude towards their studies. As they begin this important examination year, they have demonstrated excellent commitment and determination. The photographs showcase some of the high-quality work they have produced during the first few weeks of term.





Circle = πr^2 $r=10$
 Area = $\pi \times 10^2$
 $= \pi \times 100 = 314.159$
 $\frac{5}{360} \times 314.159$
 $= 4.36$



Circle = πr^2 $r=8$
 Area = $\pi \times 8^2$
 $= \pi \times 64 = 201.06192$
 $\frac{30}{360} \times 201.06192$
 $= 16.75516 \text{ cm}^2$



Circle = πr^2 $r=9$
 Area = $\pi \times 9^2$
 $= \pi \times 81 = 254.4690049$
 $\frac{200}{360} \times 254.4690049$
 $= 141.3716694$
 $= 141.37 \text{ cm}^2$

Area of a circle
 Circumference of
 a circle
 ↓
 TId

Friday 11th September
 2026



Example
 TId d=16
 $\pi \times 16 = 50.26548246$
 $\frac{80}{360} \times 50.26548246 = 11.17010721$
 $= 11.17 \text{ cm}^2$

Questions

1) TId = $\pi \times 12 = 37.69911184$
 $\frac{170}{360} \times \text{Ans} = 17.80235837$
 $= 17.8 \text{ cm}^2$



TId = $\pi \times 12$
 37.69911184
 $\frac{180}{360} \times \text{Ans} = 18.84955592$
 $= 18.85$
 Perimeter = 21.4 cm

2) TId = $\pi \times 13 = 40.8407045$
 $\frac{282}{360} \times \text{Ans} = 31.99188519$
 $= 31.9 \text{ cm}^2$ or 32.0



5) $\pi \times 11 =$
 34.55751919
 $\frac{180}{360} \times \text{Ans} = 17.27875959$
 $= 17.2 \text{ cm}$
 Perimeter = 28.3 cm

3) TId = $\pi \times 22 = 69.11503838$
 $\frac{83}{360} \times \text{Ans} = 15.93485607$
 $= 15.9 \text{ cm}^2$

Volume of a cylinder

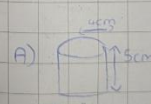
Monday 14th
 September 2026

Step 1 = Calculate Area of circle

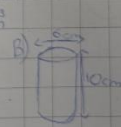
Step 2 = Multiply Area by the number of slices



Area of circle = πr^2
 $= \pi \times 2^2$
 $= 4\pi$
 Volume = $4 \times 12.57 = 50.27$
 $= 50.27 \text{ cm}^3$



A) $\pi \times 5^2 = 78.5$
 $4 \times 78.5 = 314$
 $= 314 \text{ cm}^3$



B) $\pi \times 10^2 = 314.159$
 $5 \times 314.159 = 1570.795$
 $= 1570.8 \text{ cm}^3$

b = $\begin{pmatrix} 2 \\ -4 \end{pmatrix}$ k=3 kb = $\begin{pmatrix} 6 \\ -12 \end{pmatrix}$

c = $\begin{pmatrix} -5 \\ 7 \end{pmatrix}$ k=-2 kc = $\begin{pmatrix} 10 \\ -14 \end{pmatrix}$

d = $\begin{pmatrix} 3 \\ -1 \end{pmatrix}$ kd = $\begin{pmatrix} -6 \\ 2 \end{pmatrix}$ k=-2

e) $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$ ke = $\begin{pmatrix} -12 \\ 8 \end{pmatrix}$ k=4

f) $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$ kf = $\begin{pmatrix} -6 \\ 9 \end{pmatrix}$ k=-3

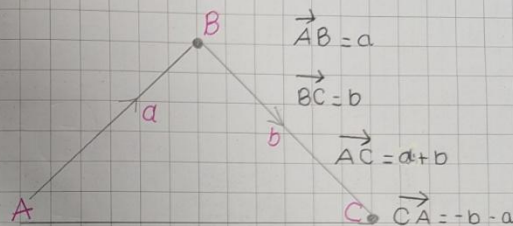
g = $\begin{pmatrix} -4 \\ 8 \end{pmatrix}$ n = $\begin{pmatrix} -6 \\ 12 \end{pmatrix}$ k=1.5
 $n=k \times 1.5$

m = $\begin{pmatrix} 4 \\ 6 \end{pmatrix}$ n = $\begin{pmatrix} 2 \\ 3 \end{pmatrix}$ 2m = kn
 k=4

Tuesday, 15th September 2026

15.09.26

Vector Notation



QUESTIONS

1) $\vec{AK} = a + 3b$ 2) $\vec{AH} = 3a + b$ 3) $\vec{AT} = 4a + 3b$

4) $\vec{DL} = 2a$ 5) $\vec{DQ} = 2a + b$ 6) $\vec{KL} = 2a - b$

7) $\vec{KA} = -a - 3b$ 8) $\vec{SJ} = 4a + b$ 9) $\vec{TI} = -3a - b$

1) $\vec{MO} = -2c$ 2) $\vec{QO} = -2a$ 3) $\vec{LP} = -a + c$

4) $\vec{ML} = -2c + a$ 5) $\vec{QN} = -2a + 2b$ 6) $\vec{NM} = -2b + 2c$

7) $\vec{NQ} = -2b + 2a$ 8) $\vec{MN} = -2c + 2b$ 9) $\vec{MS} = -c + b$

Silver Duke of Edinburgh Expedition – Day 1

Our Silver Duke of Edinburgh participants began their three-day expedition in Wirksworth, with the aim of navigating their way to Carsington Water before continuing around the reservoir and on to Middleton Top, where they would spend the night camping.

The groups set off in excellent spirits and, overall, demonstrated some impressive navigation skills throughout the day.

However, as with previous expeditions, they encountered one of the greatest challenges faced by DofE participants – cows! Several students displayed remarkable speed and agility when spotting a field of curious cattle, making a rapid return to the nearest checkpoint. Their sprinting talents certainly did not go unnoticed and may have revealed some future athletics stars!

Once everyone had successfully negotiated the countryside and reached the campsite, tents were pitched and evening meals were prepared. The cooking efforts provided plenty of entertainment, with a few students discovering that pasta can, in fact, be burnt if given enough determination.

As the evening drew to a close, students settled into their tents for the night. Amelia and Flo were convinced that their tent had been invaded by ants, but after making peace with their tiny overnight companions, everyone eventually settled down for a well-earned night's sleep.

Friday morning has begun positively, with students in good spirits and ready for the next stage of their adventure. We look forward to sharing the conclusion of the expedition in next week's newsletter.

Meet the Tutor Evening – Year 7

We are delighted to invite all Year 7 students and their parents/carers to our Meet the Tutor Evening on Thursday 15 October, from 4.00pm to 7.00pm. This is a fantastic opportunity to meet your child's tutor, learn more about life at school, discuss how your child has settled into secondary education, and ask any questions you may have. We look forward to welcoming families and working together to ensure every student has a successful and enjoyable start to their Year 7 journey.



Sparx Reader

Sparx Maths

Sparx Science

We are very excited about three new learning platforms all students will have access to this year. Sparx Reader, Maths and Science have been proven to boost student progress with regular use and your child will have an introductory lesson to each of them over the next few weeks.

We are starting with Sparx Reader which has access to over 500 books and quickly adjusts to your child's reading level. The average reading age of a GCSE exam is 16 years and 7 months which means any improvement in reading ability can make a real difference to student outcomes and unlocks many more future opportunities.

We will be rewarding students who use Sparx every week. For example, 30 minutes of reading is equal to 300 Sparx Reader Points and will earn them 50 extra Aldercar R points each week!

Students will be able to access these resources using their school login on a computer, tablet or mobile phone. However, we will be offering our brand new computer suites at break, lunchtime or after school to give students additional opportunities to complete tasks where access at home may be limited.



Details on how to log in, further features of each platform and new homework expectations will be communicated to parents and guardians later in the term once our introductory sessions have been completed.

Multi Sports PE Club

A super start to the academic year with students choosing to take part in dodgeball, football and accessing our fitness suite at multi sports.



Make sure you come down to PE with your friends every Thursday after school 3-4pm to take part and also earn those R points.



Aldercar
High School

LEARN BELONG ACHIEVE

ALL
ABILITIES
WELCOME!

MULTISPORTS

AT ALDERCAR HIGH SCHOOL

TRY NEW SPORTS | KEEP ACTIVE | MEET NEW PEOPLE | HAVE FUN



FOOTBALL



BASKETBALL



TABLE TENNIS



BADMINTON



GYM / FITNESS



EVERY
THURSDAY



2:55 – 3:55PM



SPORTSWEAR
REQUIRED

This can be any sportswear
including PE kit.

MULTIPLE
SPORTING OPTIONS
EACH WEEK!



OPEN TO
ALL STUDENTS



GET ACTIVE



TRY
SOMETHING NEW



MEET
NEW PEOPLE



HAVE FUN

SAME SCHOOL. **MORE OPPORTUNITIES.**

OUR VALUES



READY



RESPECTFUL



RESPONSIBLE

A STRONGER
BRIGHTER
TOGETHER

BOOK REVIEW

Username: Evie by Joe Sugg

What did you like about it?

The action

What would you change about it?

Make it have funny phrases



No Country
by Patrice Aggs & Joe Brady

What did you like about it?

It was war related which I like

What would you change about it?

Less pictures



KIAN T, 8C

Got an opinion about
something you've read?
See Miss Bell in the library



- GRAPHIC NOVELS - COMICS - MANGA - ANIME - GRAPHIC NOVELS - COMICS - MANGA - ANIME - GRAPHIC NOVELS - COMICS -

COMICS

MANGA - ANIME - GRAPHIC NOVELS - COMICS - MANGA - ANIME - GRAPHIC NOVELS - COMICS - MANGA - ANIME - GRAPHIC NOVELS - COMICS -



COMIC CLUB

ALL AGES WELCOME

NEW!

A NEW Comics Club: for fans of manga, anime, comics, graphic novels, and more.

Starting in October, Thursdays 3–4pm in the library

- write and draw your own comics*
- how-to videos*
- reviews and recommendations*
- games and crafts*
- fan fiction*
- tasting parties*
- author profiles*

STARTS THU 1ST OCTOBER 3-4PM

Speak to Miss Bell in the library



マンガエル

RESPONSIBLE

RESPECTFUL

READY



Aldercar
HIGH SCHOOL



BREAKFAST CLUB

FREE BREAKFAST EVERY MORNING

IN THE PHOENIX BUILDING

≡ INCLUDING: ≡



TOAST



BAGELS



JAM



CHOCOLATE
SPREAD



BISCOFF
SPREAD



JUICE



FRESH
FRUIT



☆ **THE BEST WAY TO**
START THE SCHOOL DAY ♥



EVERY
CHILD KNOWN



EVERY
LESSON COUNTS



EVERY
FUTURE UNLOCKED

🔔 Get Connected: Log In to the Arbor Parent App Today!

Managing school life just got a whole lot simpler. We are using the **Arbor Parent App** to give you a direct window into your child's school day, attendance, and important notices.

🔑 How to Log In

If you haven't accessed your account yet, getting started is easy:

1. **Download the app:** Search for "Arbor" in the Google Play Store or Apple App Store.
2. **First-time login:** Click "Forgot your password?" on the login screen.
3. **Activate:** Enter the email address the school has on file for you, follow the link sent to your inbox to set your password, and you're in! *(You can also log in on a computer at login.arbor.sc)*

🔧 Having Issues Logging In?

If you don't receive the password reset link, or if your email address isn't recognized, we are here to help! Please email our team at data@aldercarhighschool.co.uk with your child's name, and we will get your details updated right away.

💳 Introducing Arbor Pay!

No more scrambling for exact change or managing multiple school website accounts. You can now take care of all school expenses securely right inside the Arbor App:

- 🍏 **School Meals:** View live balances and top up dinner money instantly.
- 🚌 **Trips & Clubs:** Register, consent, and pay for school activities in just a few taps.
- 📱 **Easy Checkout:** Fast, secure payments via credit/debit card, **Apple Pay**, or **Google Pay**.

Log in today to ensure your account is set up and ready to go!

Diary Dates

Wednesday 23rd September-School closes to students at 13:30

Wednesday 23rd September- Year 6 open evening 17:00 – 19:00

Thursday 1st October – Geography fieldwork coastal trip

Thursday 15th October – Meet the Tutor evening -Year 7 16:00 – 19:00

Friday 23rd October – Inset day

Monday 25th-29th October – Half term week

Kind Regards

Phil Smith

Proud Headteacher Aldercar High School

'Every child known, every lesson counts, every future unlocked'

Chair of the Inclusion Strategy Group

Daltons Close, Langley Mill, Nottinghamshire, NG16 4HL

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www.aldercarhigh.co.uk

