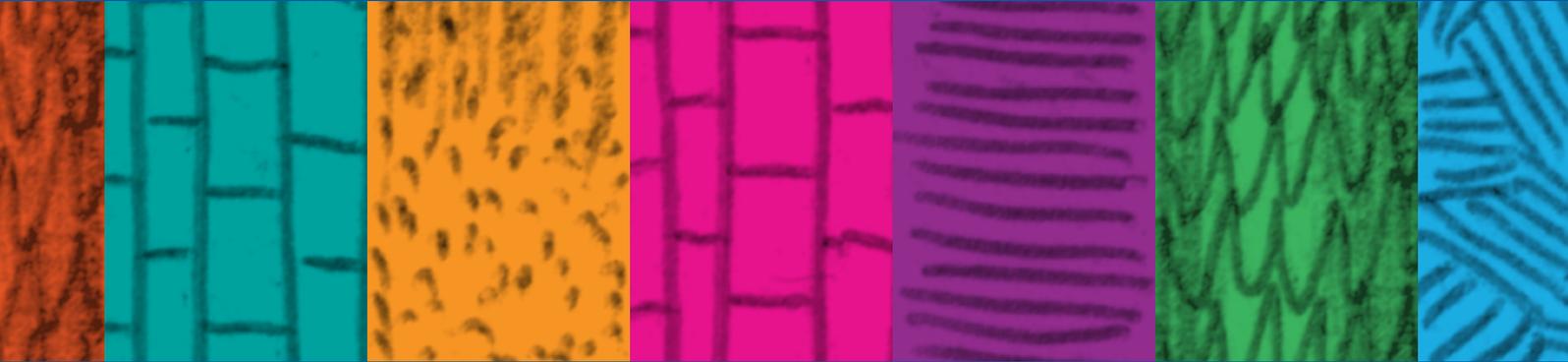




More at Moor Park

A journey through our year...



...so that all students will be able to access higher education and participate fully in our democratic society

Welcome to Moor Park

Our school is unique in its ambition for our young people. We believe that every young person, regardless of their background, deserves the very best opportunities. This means that our work goes well beyond the classroom. From the minute that young people join us in year 7 they get a huge array of opportunities designed to engage, educate and build their confidence.

In this booklet you can see the activities that our young people engaged with in the last academic year. I hope that you get a strong sense of the quality, quantity and variety of opportunities that are available to our young people. All our year 7 students receive free musical instrument lessons and get opportunities to engage in sporting, academic and cultural activities. By the time our young people leave the school we want them to have enjoyed their experience and have wide horizons, as well as excellent examination results.

I hope that you enjoy this review of the year and that it gives you a vivid insight into life at Moor Park.

Headteacher: **Mr B Corbett**



Open Evening

Moor Park was looking at its best for Open Evening in September.



It's a Numbers Game



BAE Visit

BAE Systems brought their education roadshow team to Moor Park in September.

Theatre Trip

In October a group of Year 11 BTEC Drama pupils went to the Palace Theatre in Manchester to watch a musical production of 'Matilda', based on the much-loved Roald Dahl book.



Employability Workshop

The new school year began in earnest for Year 11 as they took part in an employability workshop.



Lest We Forget

In the week leading up to Remembrance Sunday, and the centenary of the end of the First World War, pupils and staff at Moor Park made 1,956 poppies as a way of commemorating the 1,956 soldiers from Preston who died during the Great War.

Moor Park High School
and Sixth Form remembers
the sacrifices made by
all soldiers in the first
World War and conflicts
since!



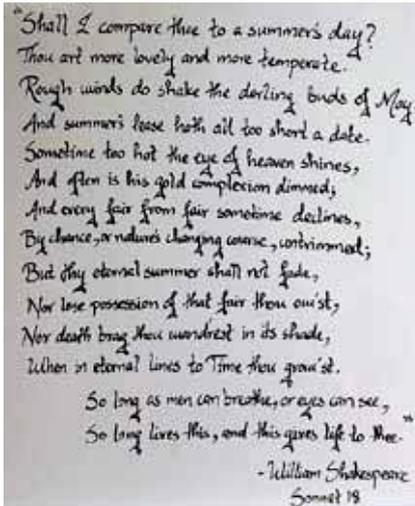


European Day of Languages

In September pupils at Moor Park celebrated 'European Day of Languages'.

National Poetry Day

National Poetry Day was on 4 October and at Moor Park we like to grab any opportunity to celebrate all things poetical.



National Poetry Day Poem Hunters

Please read out to your form:

This Thursday, 4th October, Moor Park are celebrating National Poetry Day. We are running a competition in which you must work either individually or in groups (no more than 3) to collect the famous poetry quotations in total around the school. You must read the quotation out loud twice because during the competition you will be asked to find the quotation.

Electric Race Car

This year pupils in the Science faculty have been busy constructing an electric car.



Lancashire Book of the Year

Year 9 pupils took part in the 2019 Lancashire Book of the Year Award.





Drone Building

Pupils in Years 7, 8 and 9 have been engaged in the exciting and innovative project of drone building.

Arts Visit

Year 7 pupils enjoyed a cultural visit to the Whitworth Gallery in Manchester in December.





White Scar Caves

In December pupils went on a science trip to the spectacular White Scar Caves in Yorkshire.



Further and Higher Education Fair

In January aspirational pupils from Years 10, 11 and 12 attended a further and higher education fair held in the school Hall.

Mystical Writing Adventure

Pupils in Year 7 experienced an adventure in writing when they travelled to Yorkshire to visit 'Grimm & Co' in January.



Spanish Visitors



In February Moor Park were visited by two teachers from a school in Spain as part of the Erasmus programme which facilitates exchange visits between schools in Europe.

Scholarly Success

A Year 9 pupil on the 'Scholars Programme' has had a piece of original research published in a journal for exceptional young scientists.

A machine to measure muscle oxygen levels for athletes

Year 9, Key Stage 3

M. Piperell, Moor Park High School and Sixth Form, Preston.
Supervised by I. Scialoja, University of Sheffield.

Mo Farah is the UK's most successful track athlete with ten "world and Olympic gold medals" among many other achievements (BBC Sport). He became the first athlete to win three long distance doubles at successful championships. Born in Somalia, Mo Farah came to the UK at the age of eight. He now lives in Portland, Oregon (USA) with his wife and four children. The journey to his successful career began when his PE teacher noticed his exceptional running skills. Although Farah never originally wanted to become a track runner, it was what he was good at and what he decided to pursue his career in (Mo Farah official website).

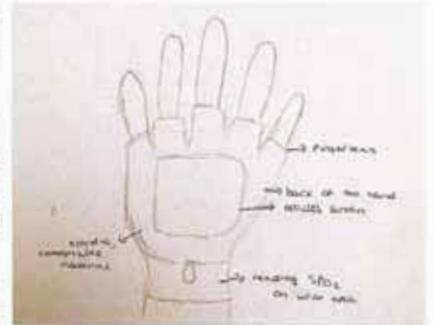
As a professional runner he needs to train hard and to be able to perform at his best, it is important that he knows the oxygen levels in his blood, in order that he can keep the oxygen levels throughout the body in balance. This would allow him to run faster for longer periods of time without getting tired therefore enabling him to win comfortably whilst remaining at the top of the leader board (Mo Farah official website). For this reason, a device to measure oxygen levels in the blood would benefit Mo Farah.

Like all sports, running has its own unique attributes therefore a particular style of device would be needed to measure oxygen levels in the blood specifically for running. The ideas that need to be considered are problems such as being able to measure the oxygen levels without altering his performance. It would be beneficial to consider where the device would be placed on his body and where it would be most effective. For this reason, it would be useful to design a device that would feel comfortable on the athlete whilst measuring oxygen levels effectively and successfully.

There are many devices currently on the market that are

patented and expensive, but they can also be worn on the arm (gizmag). This would make the design more practical for wearing whilst running.

Bearing in mind the products that are currently available, I propose to produce and manufacture a new and more effective device called the 'handy oximeter' (shown in the diagram below) as it is worn on the hand as a glove. It also measures oxygen hence the name 'oximeter'. It would be fingerless and fit comfortably on the hand. The material would be thin and stretchy, similar to lycra and not uncomfortable. On the wrist area would be the device reading the (SPO2) from arterial blood gas analysis. On the back of the hand will be a surface for a screen to show the results of the amount of oxygen there is in the blood. The fingers would be uncovered so that they can grip onto things such as a water bottle or cup during a marathon.



To make one of these devices would require a team of specialist engineers and experts who have the skills and expertise to complete the challenging task. A clinical engineer who specialises in a type of biomedical engineering primarily for implementing medical technology to optimise healthcare delivery would be useful for their medical knowledge and technological knowledge to help adjust the device and create it.

World Book Day

7 March was World Book Day, and at Moor Park we embraced the national celebration of books and reading.



Balance for Better

International Women's Day was on 8 March and at Moor Park we were fully supportive of the 'Balance for Better' agenda of the day.





BAE

Pupils recently took part in a BAE sponsored technology competition.

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Peter Pan

At the end of the spring term Moor Park pupils staged a performance of Peter Pan.

Junior Football Leaders

In May two Year 10 pupils qualified as Junior Football Leaders as part of a training programme run by the Football Association.



Environmental Crisis Club

Moor Park pupils have responded to the increasing threat of environmental damage to the planet by forming an Environmental Crisis Club.



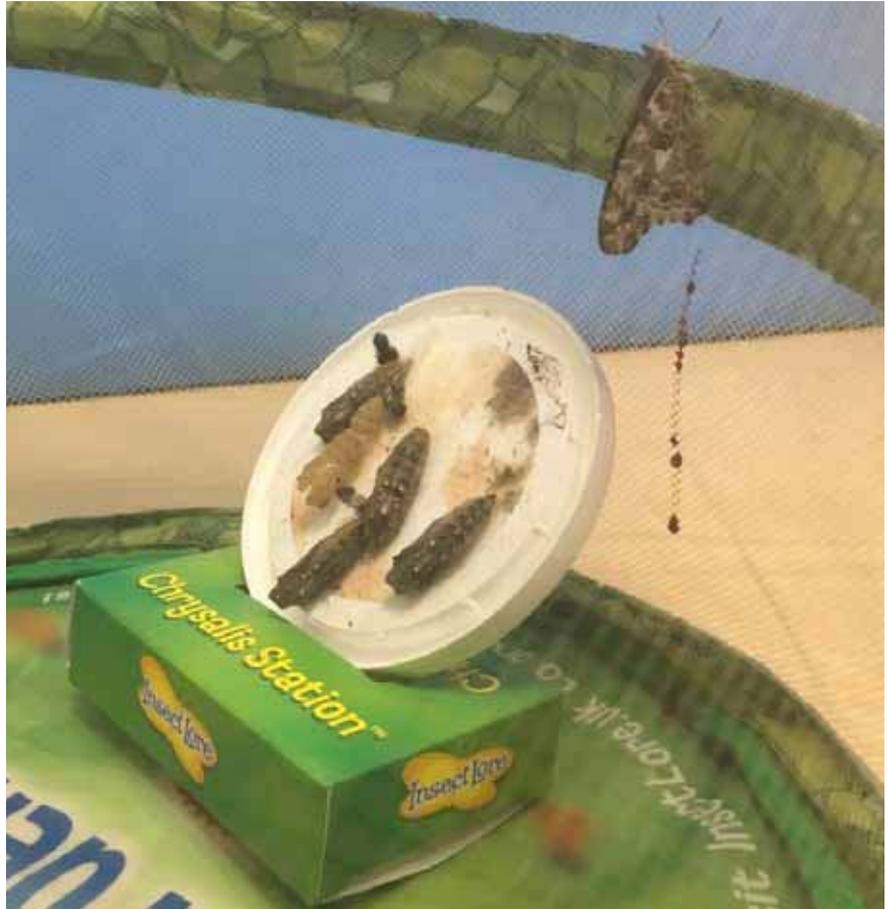
A photograph showing a teacher and two students in a natural setting. The teacher, on the right, is wearing a black jacket and a backpack, and is holding a yellow device connected to a white tape. He is pointing towards the stream. Two students, a boy and a girl, are standing on the bank of the stream, looking at the teacher. The stream is surrounded by tall grass and reeds.

Geography Field Trip

Year 10 pupils visited the beautiful Trough of Bowland to study the Marshaw Wyre river as part of their GCSE Geography course.

Butterfly Club

Pupils in the Moor Park Butterfly Club have reared five very hungry caterpillars into beautiful butterflies.





Award Winners!

Moor Park won a collection of awards at the annual Lancashire Evening Post Education Awards ceremony.



Prize Giving

Moor Park's annual Prize Giving evening is a celebration of the hard work and dedication shown by pupils across the school.



School Barbecue

On a beautiful day in July everyone at Moor Park enjoyed a whole-school barbecue.





Year 7 Concert

Every Year 7 pupil at Moor Park learns a musical instrument. At the end of the summer term our talented young musicians gave a concert to demonstrate their newly acquired musical skills.









Sports Day

Whole-school Sports Day at the end of the school year sees pupils engaging in friendly competition against each other.

Super Learning Week

The Moor Park year culminates in Super Learning Week. Pupils enjoy a week of varied and engaging learning activities which this year included visits to the Science and Industry Museum in Manchester and Bowley Activity Centre.





Water Park Adventure

Sixth Form students finished their year of rigorous academic application with a fun-filled, and somewhat soggy, day at the Water Park Lakeland Adventure Centre in the Lake District.







integrity

guidance

friendship

understanding

acceptance

Moor Park High School and Sixth Form

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