



EGGLESCLIFFE

CAREERS

OUTSTANDING OPPORTUNITIES





In a nutshell

<p>Gatsby 1 – stable career programme</p>	<p>Dedicated career advisor full time in school Specific career lessons taught in all years 7 -13 Substantial career activities throughout the year Career passport</p>
<p>Gatsby 2 Learning from labour market</p>	<p>Close links with local employers – Nifco, Cummins Email to parents related to local job market</p>
<p>Gatsby 3 Address individual needs</p>	<p>Targeted provision for extra CEIAG Disadvantaged, SEND, in danger of NEET students given priority</p>
<p>Gatsby 4 Linking curriculum</p>	<p>Scholar lectures Career link to subject options Core subjects have career champion</p>



In a nutshell

<p>Gatsby 5 Encounters with employers</p>	<p>Annual whole school career fair Mock interview days Host of external speakers – educate, inspire and motivate</p>
<p>Gatsby 6 Experiences of workplace</p>	<p>Work experience for all year 10 students Work experienced offered to year 12 Work visits Close links with local employers (Cummins, Nifco)</p>
<p>Gatsby 7 Encounters with higher Education</p>	<p>All students have opportunities by end of year 11 Scholar lectures</p>
<p>Gatsby 8 Personal guidance</p>	<p>On site Youth directions advisor (1 day / week) Trained career advisor on site full time Preventions work (RONI students)</p>



A	B	C	D	E	F	G
CEIAG Intervention						
CEIAG Intervention Activity	PP	SEND	MAT	RONI		
One to One careers interview	199	18	58	10		
Get into Social Work sessions - Teesside Uni	0	0	0	0		
One to one Youth Direction interview	4	2	3	0		
Post 16 option assembly	0	0	1	10		
Local College Open evening information sheet	36	21	9	10		
Pre options STEM Event - Bring It On	36	41	68	0		
Cummins Engineering project	36	41	68	0		
Army Information Session	13	3	3	0		
Numeracy Engagement Event	2	3	2	0		
NISSAN Girls in Engineering Event	10	9	24	0		
Year 11 Apprenticeship IAG session	27	21	37	0		
Year 10 Childcare tutorial	3	1	5	0		
Year 9 pre-option Get Into Teaching project	3	3	2	0		
Get into Welding and Fabrication project	2	0	5	2		
School Careers Fair	0	0	1	10		
Year 10 Construction and Engineering tutorial	2	1	1	0		
Year 10 Newcastle University ACE Event	197	231	388	0		
Army Insight Day	7	5	7	0		
Airgeners Drone Tournament	6	1	1	0		
Work Experience placement - Mercedes	30	29	44	0		
Year 9 teaching project	0	0	3	0		
Princes Trust Achieve Programme	0	0	0	3		
Apprenticeship Drop in session	0	0	2	1		






My Career Story
A record of the education, information and guidance gained at Egglecliffe School

Across your time at Egglecliffe

Different stages in your education include different tasks for your career planning.

Not everyone plans their academic and career paths the same way or at the same pace.

This booklet contains tasks that we would expect you to achieve throughout your school life to help guide you through all aspects of planning and preparing of your future.

Drop in to the Careers Office in Endeavour and see Miss Pascoe, Our Careers Coordinator

Visit the Careers Information Library in Endeavour

Speak to your tutor or Head of House

Speak to Deputy Head Teacher in charge of CEIAG - Mr Gittins

You can also visit these websites:



<ol style="list-style-type: none"> 1. Post 16 routes – what is available? 2. Employability skills for 21st century. 3. Application, selection and recruitment procedures. 4. 'Building my skills' workshops – employability workshops. 	11 Year	extra CEIAG Activities <small>Work visits - University / College visits - Employer speakers / assemblies - Apprenticeship events - Employ</small>
<ol style="list-style-type: none"> 1. Employment in Tees Valley / manufacturing. 2. Routes into employment & Digital employment. 3. Oil & Gas industry. 4. CV Writing. 5. Work Experience – letter writing, preparing (how to conduct self), participate in work experience, evaluating experience. 	10 Year	
<ol style="list-style-type: none"> 1. Raised participation age and routes beyond year 9. 2. Apprenticeships – what are they? Who can apply? 3. Vocational qualifications – what are they? Compare and contrast different qualifications. 4. A Levels and post 16 options. 5. GCSE Options. 	9 Year	
<ol style="list-style-type: none"> 1. Personal branding - what does your on-line profile say about you? 2. How to write a CV. 3. Labour laws and how they apply to you and employment. 	8 Year	
<ol style="list-style-type: none"> 1. History of jobs in the North East & links to current job opportunities. 2. How to write a letter of application. 	7	

F1 Race Chief Race Engineer


“The only person stopping you from achieving your dreams...
Is **YOU**...”

Talk from the former chief racing engineer of Ferrari F1.



rob
SMEDLEY





career
specialist

CAREER SUMMARY UP TO F1..

- PILBEAM RACING DESIGNS (DESIGN & TRACK ENGINEER)
- MOTOR SPORTS DEVELOPMENTS. MILTON KEYNES (DESIGN ENGINEER)
- STEWART GRAND PRIX (DATA ENGINEER)
- WILLIAMS TOURING CAR (DESIGN & DATA ENGINEER)
- BENETON F3000. RACE ENGINEER
- JORDAN F1 (DATA ENGINEER THEN RACE ENGINEER)

A photograph of a Greenpower F24 Challenge vehicle, a three-wheeled motorized kart, positioned on a wooden ramp. The vehicle is black with green accents and is secured with green straps. The background shows a room with blue curtains.

Greenpower F24 Challenge

Greenpower
INSPIRING ENGINEERS



Justin Blomenberg
Global Director of Cummins Inc
Visit of the Cummins / Eggescliffe Partnership





Magistrates Law Team



National Teaching School
designated by

National Support School
designated by

National College for
Teaching & Leadership

National College for
Teaching & Leadership

enquiries@valt.org.uk

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Compete in a **real** Magistrates Court
Real judges
National Law Competition
Through to the REGIONAL finals in Newcastle





NETA
TRAINING GROUP





Hands on practical welding experience

Understand Health & Safety

Plan welds

Create various welds



Junction Farm Primary School



Real world teaching experience

Observe lessons

Plan a lesson

Deliver the lesson



STEM Lego Engine Build
Engineering challenge
QSK95 Lego Engine Build

Site tour and Engineer Presentation at Cummins Engines





Welcome to
Gateshead College





Hands-on practical learning, operating your own business.

Finance, marketing, production, sales & team work.







justin MOFFITT





Mr Wood of **Planet.com**

Working with satellite systems and a career using Geography.



MICHELLE WILSON

Talk to students of
Chemical Engineering

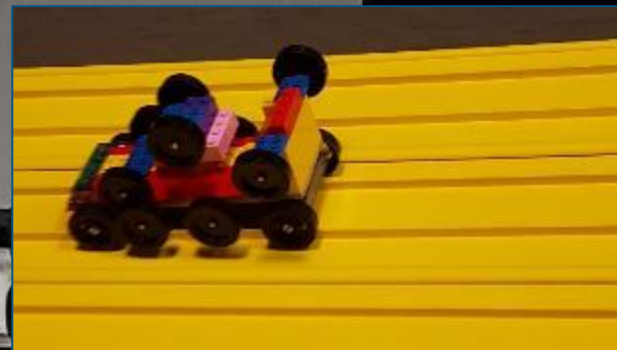
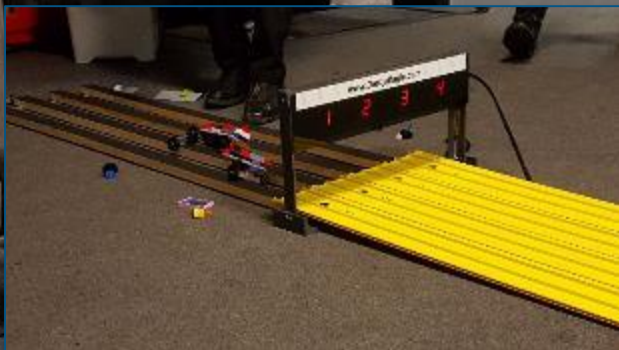


JM **Johnson Matthey**
Inspiring science, enhancing life

Aeronautical & Engineering Department

Calculate the peak height of a rocket launched **vertically** using kinematics equations.





PINEWOOD DERBY





Off-Site Mock Interview Day

CV & Letter of Application Master Class
Interview skills session
Mock Interview

Industry professional mentors







EGGLESCLIFFE SCHOOL
AND SIXTH FORM COLLEGE A MEMBER OF
VISION ACADEMY
LEARNING TRUST

YOUNG

ENGINEERING

CLUB

"Inspiring Engineers of the future..."



WELCOME TO
BATTLING ROBOTS

In association with
LABMAN

Within Robotics, you would be involved in the design, construction, operation and use of Robots. In partnership with **LABMAN** Automation, you will develop technology which can be controlled by you, the user, with the aim of defeating your opponent within the **BATTLING ROBOTS** arena.

CONNECT WITH OTHER STUDENTS

This hands on practical activity allows you to learn from other like minded people, a great way to develop friendships (until you destroy their robot that is).

IMPROVE YOUR SKILLS

This project is a great way to learn about electronics in an exciting activity. Alongside the specialists from a leading robotics business, you will be able to design a robot which will be far superior to any robot enemy who dares cross your path.



YOUNG ENGINEERS

IOP INTRODUCING THE
North East UKRoC ROCKETS
In partnership with the
Institute of Physics North East

The Rocketry challenge forces students to innovate, to think creatively to meet the challenge set by the UKRoC. With expert advice from the **IOP** North East, you will be expected to design and build a rocket which will reach a set altitude, with a total flight duration and return safely to land carrying its undamaged payload.

ROCKETRY PRINCIPLES

This explosive opportunity will allow you to learn how a rocket works, what factors affect its flight and how to overcome them.

CHALLENGE YOURSELF

You will need to call upon your maths and physics knowledge, but don't worry because there is plenty to learn with this project.

"The Rocketry competition was really good because it made you problem solve along with using multiple engineering techniques as part of STEM."



**BE INSPIRED BY
THE GREENPOWER F24**



In association with

With the movement towards battery powered vehicles gathering momentum, Greenpower and Cummins bring together an opportunity to engineer a single seated racing car, and then race at Croft circuit against other schools from the region.

THE ROLE

You will be required to examine aerodynamic principles and efficiency increasing techniques in order to improve the performance of the car. You will have the opportunity to test drive and refine your car, and then race at Croft.

THE EXPERIENCE

Working with experts from the engineering world, taking part in practice sessions and racing on a circuit, you will be given the opportunity to experience the life of a race engineer from design (including 3D) to construction.



YOUNG ENGINEERS

Architects design and construct buildings. They work as part of a team, just like yours. Structural, civil and environmental engineers make sure a project suits its site. Every role is important to get the job done. How can we shape a better future for everyone?

Are you ready to build a better tomorrow together?

THE ROBOT GAME

Your LEGO Mindstorm EV3 robot will have to navigate, capture, transport, activate or deliver objects. You and your robot will only have 2 and 1/2 minutes to complete as many Missions as possible.

THE INNOVATION PROJECT

Your team will identify a problem with a building or space in your community. You will present your problem and solution to a panel of experts.





Airineers
Drone Racing
Challenge

Expert 3D
advice from



GET READY FOR
DRONE RACING

This Micro Class Drone event will require you to design your own drone chassis using 3D modelling software, and then to print out your design using 3D printing technology. You will then assemble your drone and practice flying in a series of events.

GETTING STARTED

You will work alongside an expert in both drone and 3D design to learn how to create your drone chassis. You will learn the principles behind quad-copter technology and pilot your aircraft in a series of testing challenges.

THE EVENT

Once you have become an expert in flying your craft, you will then work with children from our Primary schools to teach them how to fly it as they compete in an inter school Drone championship.

"Students who prepare and learn new skills are more likely to be
SUCCESSFUL
in their future studies"

MOBILE APP DEVELOPMENT
SUPERCHARGE YOUR
SOFTWARE ENGINEERING
SKILLS

Mobile App development is the design and creation of an application which can be used on a mobile device. You will learn the principles of UI (user interface) and consider other factors such as input, size of screen and types of applications.

PROGRESSION

With working alongside experts in the field of website development and Mobile App creation, you will be introduced to the key skills required in programming software for use on mobile phones and other portable devices.

WHAT CAN YOU STUDY

Taking part in activities such as this will enable you to prepare for qualifications in Computer Science and Computing & Web undergraduate courses at university.



In association with **ATKINS** Civil Engineering

TREATING THE WORLD'S MOST PRECIOUS RESOURCE

3.5 million people (W.H.O figures) die every year due to dirty water related diseases. In partnership with **ATKINS** Civil Engineering, you will learn how to create a water filtration system to produce clean and safe drinking water.

SITE VISIT

To fully understand the issues of water, you will visit a water treatment facility locally to get a feel for the problem. You will design a treatment solution which could be used in areas which need it the most.

EXPERT ENGINEERS

Working alongside experts of Civil Engineering, you can find out the different disciplines of engineering. You will find the different infrastructure needed to make our villages, towns and cities safe and inhabitable.



YOUNG ENGINEERS

F1 in Schools

INTRODUCING THE WORLD OF FORMULA ONE

In this activity you will be inspired to use IT to learn about physics, aerodynamics, design, manufacture, branding, graphics, sponsorship, marketing, leadership/team work, media skills and financial strategy. Then apply these skills in an imaginative and exciting way.

NEXT LEVEL ENGAGEMENT

This project requires you to raise sponsorship and manage budgets to fund research and construction. Your portfolio will showcase all of your skills from concept to creation using a 3D printer.

WITH A WHOOSH...

Shoot along a 20m track powered by a small CO₂ canister in the rear of your car.





STEM EDUCATION REVOLUTION

Take industry leading technology, like quadrature encoders and current monitors in every Smart Motor, package it together to create the VEX IQ Robot. Compete against other schools in programmed and user controlled events.

THE DETAILS

Work with your alliance partner to score as many points as possible in one of two ways, by scoring balls on or in cubes and by moving cubes to their scoring zones.

THE GAME

Two robots compete in a 60 second long match, working collaboratively to score points. User controlled game and also an autonomous challenge.



YOUNG ENGINEERS

“DRIVE FORWARD” IS THE NEW “HELLO WORLD”

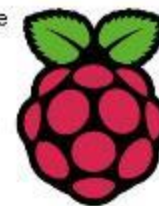
The future of transportation (some say) is autonomous vehicles. Using the ground breaking RaspberryPi computer, sensors, a set of wheels and some code, learn how to programme your very own driverless car.

SELF DRIVING ROBOT

This is a project which will certainly challenge your computational thinking, resilience and determination. You will work alongside some leading professionals in the region, with a chance to send your code off to compete in the FormulaPi challenge.

AUTONOMOUS CARS

Test yourself to see if you can take control of safety, navigation and operation of a vehicle from the comfort of your computer desk.



RaspberryPi



Impact

- Historically low NEET figures
- <1% for 5years +
- All students have secure knowledge of post 16 options
- All students have at least 5 employer contacts
- All year 13 students go onto university or apprenticeship
- Student voice indicates success in improving knowledge of variety of careers