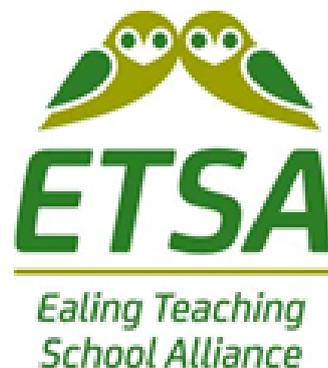


Ealing Teaching School Alliance

Handbook 2016-17



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About ETSA

Twyford CofE High School is the lead school for the Ealing Teaching School Alliance (ETSA). ETSA works in partnership with the London Borough of Ealing and an alliance of secondary and primary schools from across the borough.

Teaching Schools are part of the government's drive to move to a school-led system and are charged with three areas of focus: Initial Teaching Training; Continuing Professional Development; and School to School Support. These three areas still encompass the previous work focused on Talent Management & Succession Planning; Specialist Leaders of Education and Research & Development.

ETSA is a collaborative alliance which began in 2013. It works for the benefit for all students and teachers in Ealing schools. It is involved in a range of training and development activities for staff and is also engaged in research to support the raising of standards. ETSA successfully bids for collaborative funding which allows it to design and deliver training to suit the needs of the local schools and their teachers. ETSA is committed to the development of confident professionals through collaboration. It is focused on defining, developing and sharing expertise to ensure student outcomes are consistently high across the alliance.

ETSA Steering Group

Jo Trewin – Head of Teaching School

Angela Doherty - Principal Adviser 11-19

Alice Hudson – Executive Headteacher, Twyford CofE Academies Trust

Mathew Cramer – Headteacher, Greenford High School

Tracie McNeil – Headteacher, Ealing Alternative Provision

Arwel Jones – Headteacher, Brentside High School

Gerry Wadwa – Headteacher, Featherstone High School

Mike Kiely – Headteacher, Cardinal Wiseman High School

Key contact details:

Jo Trewin – jtrewin@twyford.ealing.sch.uk

Administrator – Polly Williams teachingschool@twyford.ealing.sch.uk

www.etsa.org.uk

Initial Teacher Training (ITT)

School Direct – Information for 2017-18

<p>Benefits</p> <ul style="list-style-type: none"> • Much greater control over recruitment of trainees • Trainees who have chosen your school • Teachers trained in our context • Well trained and well prepared NQTs 	<p>Issues to be aware of and solutions</p> <ul style="list-style-type: none"> • Time and administration implications – managed by ETSA • NCTL’s allocation process – schools can recruit until national allocation is filled – schools must respond quickly to applications in order not to miss out
<p>Salaried</p> <ul style="list-style-type: none"> • Trainees gain QTS but no PGCE • Minimum of 3 years of post-graduate work experience (flexible in shortage subjects) • Must have at least a 2:2 in a relevant subject • Funding available (varies according to subject and not published until the autumn term) • Trainees employed by schools & paid on Unqualified Teacher Scale • Do not have to be supernumerary (teach up to 80% of a timetable) • Greater training input from school • 2nd placement of 6 weeks in contrasting context required – arranged by ETSA 	<p>Unsalariated</p> <ul style="list-style-type: none"> • Trainees gain a PGCE and QTS • Trainees pay fee (£9000) – split between the school and ITT provider (amount varies depending on ITT provider) • Must have at least a 2:2 in a relevant subject • Bursaries are available to the trainees dependent on subjects & class of degree • Trainees are supernumerary (teach about 50% of a timetable by Christmas) • Greater training input from ITT provider • 2nd placement of 6 weeks in contrasting context required – arranged by ETSA
<p>Application Process</p> <p>The application process is managed by UCAS. There are two rounds of applications. In Apply 1, applicants can apply for three places (three alliances, three subjects, three routes etc). Apply 2 is for applicants who have been through Apply 1 and hold no offers. They then apply for one place at a time. Once an application is received, the applicant must be shortlisted, interviewed, accepted or rejected by both the alliance/school and the ITT provider within 40 working days.</p>	
<p>Recruitment</p> <p>This varies depending on the ITT provider. The two models below are based on the IOE as ITT provider.</p>	
<p>Salaried</p> <ul style="list-style-type: none"> • Initial sort against criteria by school • Successful applicants interviewed by school • Successful interviewed applicants referred to the IOE • IOE carry out paper check on qualifications • IOE make offer or consult school if there is an issue with qualifications 	<p>Unsalariated</p> <ul style="list-style-type: none"> • Initial sort against criteria by school • Successful applicants interviewed by school • Successful interviewed applicants referred to IOE • IOE interview applicant and make offer or consult school if there is an issue

There are some differences in training and processes with other HEIs.

Checklist if you’re recruiting School Direct Trainees

- Decide on a recruitment process (example below)
- Advertise training places on your website, especially in Vacancies section
- Ensure a link from your website to ETSA website and UCAS

Marketing Ideas

- Website
- Twitter
- Flyer to all parents and schools leavers from 3 or 4 years ago
- Advertisements in press (local and national)
- Open Day/Evening
- Attend IOE Recruitment Fair and Train to Teach Events with Head of Teaching School

Timeline & Instructions for Recruitment for 2017-18 Based on working with the IOE, other institutions vary	
Summer 2016	UCAS entry profiles updated by ETSA administrator
November 2016 onwards	ETSA administrator will monitor application database at least weekly (we only have 25 working days to process applications, this leaves the IOE with 15 working days for their part) As soon as an application appears, administrator will forward the application to you. Please then save or print for your records
Applicants who meet your criteria	Invite for interview – email the applicant directly with details of the interview and cc ETSA ETSA administrator will change status on Weblink and add date of interview
Applicants not meeting you criteria	Inform ETSA administrator who will reject via Weblink – this informs the applicant
Applicants successful at interview	We cannot make an offer (only accredited bodies can). Refer applicant to ETSA administrator who will inform the HEI For Salaried trainees the IOE will complete a paper check and then make the applicant an offer or contact the school if there is a problem For Unsalairied trainees they will conduct an interview and then make the applicant an offer or contact the school if there is a problem
Applicants unsuccessful at interview	Inform the ETSA administrator with a reason for rejection who will reject via Weblink – this informs the applicant Please retain notes in case the applicant requests further feedback (they often do)
Offers	Only accrediting bodies can make offers but you can request conditions for that offer if necessary – include them in the email to the ETSA administrator when informing them of the success of the interview Once ETSA has been informed of the offer, the ETSA administrator will inform partner schools
Applicant accepts offer	Proceed as you would with any other employee – draw up a contract and carry out DBS checks (salaried only), and, invite to new staff induction etc The IOE and NCTL advise staying in touch with applicants to ensure they are still fully on board – ie invite them to Awards Evening, Sports Day etc

Example UCAS Entry Profile – headings etc are determined by UCA

Below is an example of a school profile for School Direct that will be seen by applicants on the UCAS website:

Why train with us?

Dormers Wells High School is part of the Ealing Teaching School Alliance (ETSA). This is an exciting and innovative collaboration based in the London Borough of Ealing. It is made up of twelve secondary schools, one pupil referral unit and the local authority and is in partnership with King's College and the Institute of Education (IOE). Many of the schools in the alliance have achieved Outstanding Ofsted ratings.

ETSA is an outward-looking organisation which values and invests in the training of those new to the profession. Schools within the alliance have well-established training programmes and an excellent track-record of induction. There are 3 School Direct places available at Dormers Wells High School for 2014-15 but the 2nd placement in a contrasting context could be in any of the ETSA schools. ETSA is a diverse and exciting place to teach, train and study and its commitment to ensuring all trainees, regardless of subject or route, are able to benefit from the experience and expertise of the very best practitioners makes it an excellent place to train and procure employment once qualified.

Dormers Wells High School is a good, improving and expanding multi-cultural comprehensive school with 1220 students from ages 11-19 of which 185 are in the sixth form. We are a vibrant learning community where students value their education. We put our students first and wholeheartedly believe that every child matters and that every child should have the best chance to achieve. We provide a wide range of educational opportunities. We want our students to do their best.

We wish to appoint dynamic and creative teachers who share our passion and vision to inspire students in our thriving, inclusive school. We are an Investors in People school and professional development is at the heart of our work. We have a long history of training successful teachers.

We have recently moved into a new building with state of the art facilities and there is also specialist provision for 15 Hearing Impaired students.

About this training programme

All schools in ETSA are highly supportive and inspirational environments where you will develop the necessary skills and acquire a true appreciation of the practice essential for outstanding teaching and learning.

Training will be delivered by expert teachers at Dormers Wells High School. You will participate in weekly professional development sessions which will cover a wide range of topics and school policies which will be of use to you in your subject area and in the school as a whole. As well as your main training school placement, you will complete a six-week placement in a contrasting context within ETSA; this will afford you the opportunity to experience working with different students, within different structures and with a wider range of colleagues. There are also alliance wide professional development opportunities, such as TeachMeets, to which you will be invited.

You will be assigned an experienced mentor from within your subject area at Dormers Wells High School who will support and challenge you as you develop over the course of what will be a challenging and rewarding year. All mentors are excellent teachers who are well-trained in mentoring, coaching, lesson observations and feedback skills. You will also work closely with a member of the Senior Leadership team who will oversee a great deal of your training and will provide an invaluable perspective on your role as a teacher and the wider issues of education leadership.

You will join the highly successful secondary PGCE course at the Institute of Education and have full access to the University's facilities. During the PGCE you will work with national and international experts in secondary education and in the teaching of your subject, and draw on the results of major IOE research studies in education. As part of the programme you will be assigned a university tutor who will support your development as a teacher through tutorials, visits to school and guidance with assignments. Successfully completing all aspects of the course will gain you the award of Postgraduate Certificate in Education (PGCE) which also carries 60 M level credits that may be used towards a subsequent masters degree. The course also leads to the award of QTS (Qualified Teacher Status).

Biology School Direct PGCE

The PGCE course will help you to develop the professional skills and knowledge you need to teach all aspects of science to pupils at least up to age 16, as well as biology to pupils aged up to 18. We are committed to creative approaches to teaching science, and you will be encouraged to develop resources during the programme. The experienced tutors have previously been classroom teachers and heads of school science departments, and have worked in industry. They are actively involved in science education research, work on national curriculum development, and lead sessions for Science Learning Centre London. You will acquire a critical understanding of current debates and issues relating to science education and, particularly biology, and we will guide and support you in developing your subject knowledge. You are expected to engage with reading and research in science education and to regularly reflect upon your own progress.

The PGCE course covers health and safety, management of teaching and learning in laboratories and outdoors, the use of ICT, facilitating small group discussion, meeting pupils' special needs, and assessment. The facilities include a suite of laboratories and a micro-computing laboratory. You will also have the opportunity to teach outside the classroom in a variety of London venues such as Kew Gardens.

About this training provider

For more information please use the following links: www.dwhs.co.uk www.ioe.ac.uk

Child care facilities

The Institute of Education has a nursery available (which is run by our neighbour, University College London). However for student teachers we recommend you look into childcare options near your place of residence or host teaching school.

Disability access

The Institute of Education has full disabled access and is committed to admitting and supporting students with disabilities. The Institute has a well-established Disability and Wellbeing team who provide support for students with a range of conditions. Every person is treated as an individual, and the Institute invite you to contact them as early as possible so that they consider your needs and tailor their support to meet them.

Accommodation

The Institute of Education has a range of accommodation available for student teachers, although often it is better to find accommodation near the school/cluster. For more information visit their website

www.ioe.ac.uk/studentinformation/5305.html

Where to find us

Dormers Wells High School is in the London Borough of Ealing. The Institute of education is located in the centre of London near Russell Square. The London Underground station at Russell Square is minutes from the main building and King's Cross, St Pancras and Euston stations are also close by.

Entry requirements

Dormers Wells' entry requirements: You should have a good honours degree in a relevant subject area from a well-respected institution. It is also preferable that you have at least 3 Bs at A level or the point equivalent. Candidates with other qualifications may be considered if it is judged that your experience in other areas compensates. All applicants must have at least a C in GCSE English, Maths and Science at the time of application. You must also have some experience of working with young people.

The IOE's entry requirements: You should have a good degree in biology or biology related subject (including psychology), or a joint degree with biology as the major component (ie at least two years of biology studies at undergraduate level). The IOE expect you to have a good basic knowledge of biology, chemistry and physics, and be willing to learn more.

The IOE normally expect you to have an A level in biology and one other science subject at minimum grade D, or the equivalent. Candidates without these qualifications may be accepted if they have acquired knowledge through other routes (e.g., work experience). You must have good practical skills and technical know-how. The IOE particularly welcome applicants who have worked with young people in a variety of settings.

The IOE expect you to have at least observed science lessons in secondary schools before your interview.

Successful candidates will need to meet the entry requirements of both Dormers Wells High School and the IOE.

What we're looking for

We seek to appoint applicants who exhibit a passion for and excellent knowledge of their subject and a commitment to the education of all young people. It is anticipated that all successful applicants will participate fully in the life of the school by becoming involved in extra-curricular activities, therefore it is essential that trainees are very well organised, hardworking and enthusiastic. We look to appoint those with the potential to become outstanding teachers, with this in mind, it is crucial that applicants are resilient, reflective and responsive to advice.

How we select

Shortlisted applicants should expect to spend a day at school and to take part in some or all of the following activities: a presentation; a written task; small group teaching; curriculum discussion and an interview. You will be told in advance if you are required to prepare a presentation or to teach. The IOE will also be involved in the recruitment process and will hold a separate interview.

It is a rigorous and thorough process designed to ensure successful applicants are well placed to succeed.

Example recruitment day for a School Direct trainee

School Direct Recruitment for 2016-17

Geography – Wednesday 13th March 2016

Programme for the day

11am Arrival and introduction to the school

11.10am Tour of the school

11.25am Geography Office – please be prepared for an A level written task based on rivers

12.15pm Student-based activity. Please prepare a session to be delivered to six year 7 students on the following topic: The weather and climate of Great Britain (this fits into a unit about Britain and Nepal). This session should last 30mins.

12.50pm Conference Room

Presentation and interview. Please prepare a presentation of no more than 10mins on the topic of 'What has inspired me to want to teach/be in the classroom'. You will have access to a computer and projector for your presentation.

Training for School Direct teachers, PGCE students and Teach First, NQTs and RQTs

BT Days 2016-17

Open to all trainees across ETSA (PGCE, School Direct, Teach First – all routes)

Effective Questioning

Friday 3rd February 2017
Dormers Wells High School

Topic TBC

Friday 28th April 2017
William Perkin CE High School

Planning and Assessing for Progress over Time

Friday 10th March 2017
Twyford CE High School

N/RQT Days 2016-17

Open to all N/RQTs across ETSA as indicated

Career Progression for RQTs

Wednesday 9th November 2016
Ellen Wilkinson School for Girls

Moving from Good to Outstanding for NQTs

Thursday 8th June 2017
William Perkin CofE High School

Strategic Network for those responsible for ITT in ETSA schools

Strategic Team	The Developing Teachers Network
Leadership	Jo Trewin, Head of Teaching School
Membership	ITT, NQT and RQT co-ordinators, 2 members of the Research and Development network
Frequency	Termly, with additional summer meeting to finalise plans for the following September
Objectives	To ensure a consistently high standard of training is delivered across all ETSA schools for trainees (all routes), NQTs and RQTs To develop and share the best practice in teacher training
Activities	<ul style="list-style-type: none"> • Review each other's programmes • Joint planning of programmes and sessions • Co-ordinate and deliver ETSA training – Golden Days, N/RQT Days and subject training for Salaried School Direct • Review recruitment strategy and materials • Carry out joint observations • Design and deliver mentor training • QA each other's Professional Studies sessions • Explore what the research tells us about teacher training • Design effective models to support and develop teachers in their RQT year

All Strategic Team Meetings will include:

1. Training element and/or engagement with research
2. Review of work and monitoring of actions and progress
3. Planning of next steps and identification of action points

Expectations of members:

- Attendance at meetings
- Commitment to support delivery/hosting of events
- Commitment to peer review and QA

Dates of Meetings (all at EEC, 4.30pm-6.00pm)

- Wednesday 19th October 2016
- Tuesday 7th February 2017
- Wednesday 10th May 2017
- Tuesday 27th June 2017

Continuing Professional Development (CPD)

Strategic Network for Senior Leaders responsible for CPD and T&L

Strategic Team	Effective Teaching and Leadership team
Leadership	Jo Trewin and Teaching and Learning SLE(s)
Membership	Senior leaders with responsibility for CPD including leadership development, senior leaders with responsibility for Teaching and Learning, subject network leaders (or representative of group), 2 members of the Research and Development network
Frequency	Termly
Objectives	To ensure that first wave teaching is effective for all students in all ETSA schools To ensure all teachers beyond the RQT are developed, including leaders To develop and share the best practice in CPD and Teaching and Learning To use ETSA school improvement targets to inform work of the team
Activities	<ul style="list-style-type: none">• Review impact of training programmes• NPQML and SL• Leadership Diversity Programme• Career Development workshops• Joint planning and delivery of training sessions• Co-ordinate and deliver Open Days• Develop programmes/shadowing experiences etc in response to CPD audit• Contribute to strategic vision of subject networks• TeachMeet• LeadMeet and workshops

Strategic Team Meetings will include:

1. Training element and/or engagement with research
2. Review of work and monitoring of actions and progress
3. Planning of next steps and identification of action points

Expectations of members

- Attendance at meetings
- Commitment to support delivery/hosting of events
- Commitment to sharing practice and developing peer review

Dates of Meetings (all at EEC, 9.30am-12.00pm)

- Thursday 29th September 2016
- Wednesday 22nd March 2017
- Thursday 22nd June 2017

Subject Leaders' Networks 2015-16 (all at 4.30-6.00pm*):Wednesday 9th November 2016Wednesday 8th March 2017Wednesday 21st June 2017

*Core 4-6.00pm in autumn term and 2-5pm in spring and summer terms

Subject	Lead / School	Email	Venue
Art	Kate Boshier, Greenford High -	kboshier@greenford.ealing.sch.uk	Greenford High School
Business Studies	Gurvinder Nayyar, Greenford	gnayyar@greenford.ealing.sch.uk	Greenford High School
Computing and ICT	Yatish Parmar Dormers Wells High School	yparmar@dwhs.co.uk	Dormers Wells High School
English	Kelly McCarthy Greenford High School	kmccarthy@greenford.ealing.sch.uk	Greenford High School
	Fiona Oakley	Fiona_oakley@hotmail.com	LA Associate English and Literacy
Geography	Aansa Ali (SLE) Greenford High School	aali@greenford.ealing.sch.uk	Greenford High School
History	Alex McGhee (SLE) Featherstone High School	AMcGhee@featherstonehigh.ealing.sch.uk	Featherstone High School
Maths	Cate Kenda, Dormers Wells High School	CKENDA@dwhs.co.uk	Dormers Wells High School
MFL	Karen Brown Greenford High School	kbrown@greenford.ealing.sch.uk	Greenford High School
Music	Declan Mckeever, Brentside High School	d.mckeever@brentside.ealing.sch.uk	Brentside High School
RE	Stephanie Alvis, William Perkin CE High School	sAlvis@williamperkin.org.uk	William Perkin CE High School
Psychology	Ani Gilbert Twyford CE High School	aGILBERT@twyford.ealing.sch.uk	Twyford CE High School
Science	Matt Cowing Dormers Wells High School	mcowing@dwhs.co.uk	Dormers Wells High School
	Corinne Stevenson	csteve@4495@aol.com	LA Associate – science

Pedagogy Workshops

Open to all teachers and leaders across ETSA

TeachMeetWednesday 2nd November 2016

4.30pm-6.00pm Venue TBC

Sharing Good PracticeThursday 9th February 2017

4.30pm-6.00pm

Dormers Wells High School

Teacher Subject Specialism Training (TSST) – Maths and Physics

These courses are designed for teachers who are currently teaching Maths or Physics or returning to the profession to teach Maths or Physics, teachers not currently teaching Maths or Physics will be considered if there is space on the course.

This course is designed for teachers who are currently teaching Maths or returning to the profession to teach Maths, teachers not currently teaching Maths will be considered if there is space on the course.

Teacher Subject Specialism Training (TSST)

Workshop Schedule (September 2016 – May 2017)

Workshop Title	Content and curriculum reference*	Date
1. Quadratic equations and graph sketching	<p><i>Sketching graphs using the three forms of a quadratic equation.</i></p> <p><i>Sketching higher order graphs.</i></p> <p><i>Quadratic inequalities.</i></p> <p>Algebra - 11 identify and interpret roots, intercepts, turning points of quadratic functions graphically; deduce roots algebraically and turning points by completing the square</p> <p>Algebra - 12 recognise, sketch and interpret graphs of linear functions, quadratic functions simple cubic functions, the reciprocal function $y = \frac{1}{x}$ with $x \neq 0$, exponential $y = k^x$ functions for positive values of k.</p> <p>Algebra - 22 solve quadratic inequalities in one variable; represent the solution set on a number line, using set notation and on a graph.</p>	Wednesday 21 st September 2016
2. Transformation of graphs & function notation	<p><i>Function notation including inverse and composite functions.</i></p> <p><i>Linear transformations of graphs.</i></p> <p>Algebra - 7 where appropriate, interpret simple expressions as functions with inputs and outputs; interpret the reverse process as the 'inverse function'; interpret the succession of two functions as a 'composite function'.</p> <p>Algebra - 13 Sketch translations and reflections of a given function.</p>	Thursday 13 th October 2016
3. Trigonometric identities	<p><i>Developing conceptual understanding of trigonometric ratios in right angled triangles.</i></p> <p><i>Trigonometry in non-right angled triangles.</i></p> <p>Geometry - 20 - 23 know the formulae for: Pythagoras' theorem, $a^2 + b^2 = c^2$, and the trigonometric ratios; apply them to find angles and lengths in right-angled triangles and, where possible, general triangles in two and three dimensional figures. know the exact values of $\sin\theta$ and $\cos\theta$ for $\theta = 0^\circ, 30^\circ, 45^\circ, 60^\circ$ and 90°; know the exact value of $\tan\theta$ for $\theta = 0^\circ, 30^\circ, 45^\circ$ and 60°. know and apply the sine rule and cosine rule to find unknown lengths and angles. know and apply $Area = \frac{1}{2}ab\sin C$ to calculate the area, sides or angles of any triangle.</p>	Wednesday 23 rd November 2016
4. Non-linear sequences	<p><i>Finding the n^{th} term of quadratic and simple geometric sequences.</i></p> <p><i>Solving problems with sequences in a range of representations.</i></p> <p>Algebra – 24 & 25</p>	Wednesday 14 th December 2016

	<p>recognise and use sequences of triangular, square and cube numbers, simple arithmetic progressions, Fibonacci type sequences, quadratic sequences, and simple geometric progressions and other sequences. deduce expressions to calculate the n^{th} term of linear and quadratic sequences.</p>	
5. Vectors	<p><i>Developing conceptual understanding of vectors in 2-D in a variety of contexts.</i> <i>Proof with vectors.</i> Geometry – 24 & 25</p> <p>describe translations as 2D vectors. apply addition and subtraction of vectors, multiplication of vectors by a scalar, and diagrammatic and column representations of vectors; use vectors to construct geometric arguments and proofs.</p>	Thursday 19 th January 2016
6. Complex Transformations/Complex Numbers	<p><i>Solving equations whose solutions are complex numbers. Representing complex numbers on an Argand diagram</i> Complex Numbers – B1**</p> <p>solve any quadratic equation with real coefficients; solve cubic or quartic equations with real coefficients (given sufficient information to deduce at least one root for cubics or at least one complex root or quadratic factor for quartics) Use and interpret Argand diagrams. Construct and interpret simple loci in the Argand diagram.</p>	Wednesday 8 th February 2017
7. 2nd Order Differential Equations	<p><i>Solving 2nd Order Differential Equations (Knowledge of Core 3 differentiation assumed)</i> Differential Equations – I2**</p> <p>Find both general and particular solutions to differential equation. Solve differential equations of form $y'' + ay' + b = 0$ where a and b are constants by using the auxiliary equation. Understand and use the relationship between the cases when the discriminant of the auxiliary equation is positive, zero and negative and the form of solution of the differential equation. Solve differential equations of form $y'' + ay' + b = f(x)$ where a and b are constants by solving the homogeneous case and adding a particular integral to the complementary function (in cases where $f(x)$ is a polynomial, exponential or trigonometric function)</p>	Thursday 23 rd March 2017
8. Consolidation Session – Sine & Cosine functions, Transformation of graphs and Quadratic equations	<p><i>Trigonometric graphs.</i> <i>Application of transformations to trigonometric and quadratic graphs.</i> Algebra – 12 & 13</p>	Thursday 18 th May 2017

* Curriculum references from GCSE subject content and assessment objectives (DfE).

** Curriculum references from GCE Further Mathematics subject content and assessment objectives (DfE).

Teacher Subject Specialism Training (TSST)
Training Schedule (September 2016 – May 2017)

Workshop Title	Content and curriculum reference	Date
1. Motion and forces (Edexcel Topic 2) – Part 1	<ul style="list-style-type: none"> Scalars and vectors Distance time graphs Velocity time graphs Acceleration, g, in free fall is 10 m/s^2 Newton's 1st law of motion Newton's 2nd law of motion ($F=ma$) $W = mg$ Falling objects Circular motion and centripetal force Newton's 3rd law of motion <p>2.19: Core Practical (1): Investigate the relationship between force, mass and acceleration by varying the masses added to trolleys</p>	Thursday 15 th September 2016
2. Motion and forces (Edexcel Topic 2) – Part 2 <i>Including content from Energy – forces doing work (Edexcel Topic 8)</i>	<ul style="list-style-type: none"> Momentum Conservation of momentum Stopping distances Work done Kinetic energy Dangers of large decelerations Car safety features Calculating stopping distances ($KE = \text{work done whilst braking}$) 	Thursday 29 th September 2016
3. Forces and matter (Edexcel Topic 15)	<ul style="list-style-type: none"> Elastic and inelastic distortion $F = k \times x$ $E = 1/2 \times k \times x^2$ <p>15.6 Core Practical (8): Investigate the extension and work done when applying forces to a spring</p>	Wednesday 5 th October 2016
4. Radioactivity (Edexcel Topic 6)	<ul style="list-style-type: none"> Structure of the atom Alpha, beta minus, positron, gamma and neutron emission Background radiation Penetration and ionisation Plum pudding, Rutherford scattering and Bohr model Nuclear equations Half-life 	Thursday 13 th October 2016
5. Electricity and circuits (Edexcel Topic 10)	<ul style="list-style-type: none"> Series and parallel circuits Voltage, current and resistance Ohm's law Resistors in series and parallel VI graphs (filament lamp, diode and fixed resistor) <p>10.17 Core Practical (5): Construct electrical circuits to: <i>a) investigate the relationship between potential difference, current and resistance for a resistor and a filament lamp</i> <i>b) test series and parallel circuits using resistors and filament lamps</i></p>	Wednesday 2 nd November 2016

<p>6. Magnetism and the motor effect (Edexcel Topic 12) & Electromagnetic induction (Edexcel Topic 13)</p>	<ul style="list-style-type: none"> • Magnetic fields • Magnetic field created by a current in a long straight conductor • Magnetic field around a solenoid • A current carrying conductor placed near a magnet experiences a force • Fleming's left hand rule • $F = B \times I \times l$ • Force on a conductor in a magnetic field causes rotation in electric motors • Electromagnetic induction • How electromagnetic induction is used in alternators to generate a.c. and in dynamos to generate d.c. • Microphone and loudspeaker • Transformers • Transformer equations 	<p>Wednesday 7th December 2016</p>
<p>7. Light and the electromagnetic spectrum (Edexcel Topic 5) – Part 1</p>	<ul style="list-style-type: none"> • Law of reflection • Refraction • Total internal reflection (TIR) and critical angle • Specular and diffuse reflection • Power of a lens • Converging and diverging lenses • Real and virtual images <p>5.9 Core Practical (3): Investigate refraction in rectangular glass blocks in terms of the interaction of electromagnetic waves with matter</p>	<p>Wednesday 11th January 2017</p>
<p>8. Light and the electromagnetic spectrum (Edexcel Topic 5) – Part 2 <i>Including content from Waves (Edexcel Topic 4)</i></p>	<ul style="list-style-type: none"> • Frequency and wavelength • Sound waves • Transverse and longitudinal waves • Electromagnetic waves • Effects of differences in velocities of electromagnetic waves in different substances • Effect of temperature of a black body object on its wavelength distribution graph • Harmful effects of electromagnetic radiation • Uses of electromagnetic radiation <p>5.19P Core Practical (4): Investigate how the nature of a surface affects the amount of thermal energy radiated or absorbed</p>	<p>Wednesday 25th January 2017</p>
<p>9. Particle model (Edexcel Topic 14)</p>	<ul style="list-style-type: none"> • Kinetic theory model • Density • Specific heat capacity • Specific latent heat <p>14.3 Core Practical (6): Investigate the densities of solid and liquids 14.11 Core Practical (7): Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice</p>	<p>Thursday 2nd March 2017</p>
<p>10. Astrophysics (Edexcel Topic 7)</p>	<ul style="list-style-type: none"> • Mass and weight • Solar system • Circular orbits and gravity • Big bang theory • Life cycle of stars 	<p>Wednesday 15th March 2017</p>
<p>11. Review Session</p>	<ul style="list-style-type: none"> • Details to be confirmed 	<p>Wednesday 29th March 2017</p>

- Maths requirements in physics lessons/sharing ideas for practical work

Talent Management and Succession Planning (TM&SP)

National Professional Qualification for Middle Leaders (NPQML)

National Professional Qualification for Senior Leaders (NPQSL)

Lead contact: Angela Doherty, Principal Adviser 11-19 adoherty@ealing.gov.uk

Leadership Diversity

Programme

Participants are women and/or BME middle or senior leaders looking to secure a promotion to the next level of leadership

Programme:

- TBC – dependent on outcome of bid for funding

Leadership Open Days/ Workshops

Open to all leaders across ETSA

Leading Teaching and Learning for Middle Leaders

Friday 14th October 2016
Cardinal Wiseman

Coaching

Featherstone High School
TBC

Application and Interview Workshop

TBC

Specialist Leaders of Education (SLEs)

Currently, we have 5 designated SLEs.

Please email teachingschool@twyford.ealing.sch.uk if you would like the support of an SLE or for further information about the models of deployment.

SLEs ready for deployment are:

Angela Bryant - Music Curriculum



I am Head of Academic Music at Twyford Church of England High School in Acton. I graduated from Sheffield University with a Bachelor of Music honours degree. I am also a Licentiate of the Royal Academy of Music (LRAM) and have a Master's degree in Educational Management from the Institute of Education, London. I play the piano and clarinet and enjoy choral singing with the Thames Philharmonic Choir.

I have a vast experience of teaching secondary school music. Throughout my teaching career I have been renowned for the quality of my schemes of work and teaching resources, which resulted in me becoming an Advanced Skills Teacher 2004-2008. During this period I was also a lead music consultant for the piloting of and dissemination of the KS3 Music strategy. When Twyford gained its specialism in music, I returned to my role as head of department in order to develop the school as a centre of excellence in music education. I lead a department that has large numbers of students from a range of different musical backgrounds studying GCSE and A level Music.

My roles as an AST and Head of Music have provided me with considerable experience of coaching and mentoring music teachers and I have led INSETs based on curriculum design and teaching and learning styles. I always enjoy mentoring Beginning Teachers and NQTs many of whom have gone on to be successful heads of department.

Jan Salter - SEN and SENCO Support



I began my career as an English teacher. As well as a degree in English and History, I have a level 7 Diploma in Specific Learning Difficulties.

I have held various positions within Twyford High School including literacy co-ordinator and inclusion co-ordinator. I have been the school SENCO for 8 years and part of the senior leadership team at Twyford for the last four. I currently work across the Trust in both William Perkin and Twyford Schools. As part of my role I will be working to establish the ARC from September 15, a unit for high functioning autistic students within William Perkin School.

I am passionate about the acquisition of literacy skills and believe in early intervention to support students catching up with their peers. The LIT programme is offered in both schools to develop reading comprehension and writing skills. I am part of a Year 6 transition project to develop literacy skills that will be needed in Year 7. I am also working to support an MFL project, with our feeder primary schools, providing classical stories and literacy activities.

I am able to offer training related to SEN issues including the role of SENCO; the effective deployment of Teaching Assistants; Specific Learning difficulties and autism. I am also keen to share my knowledge about literacy and the importance of early intervention work.

Alex McGhee - Head of History, Co-Head of Year 12 and Curriculum Development

I have been teaching history at Featherstone High School, Southall since 1997. I graduated from the Strathclyde University, Glasgow in Modern History and Politics. I am the head of history (since 2002) a co-head of year (since 2006). I also successfully led the RE department for two years (2000). For the past two years I have been seconded into Senior Management at Featherstone High School with a whole school responsibility for the gifted and talented programme.

I have had a wide range of experiences and responsibilities as a leader at Featherstone. The history department is rated triple star across the borough. GCSE and A-level results in the department have consistently improved on an upward trajectory. The creation of a new sixth form (2008) was another key curriculum change that as a lead teacher I had to implement research, plan and deliver AS and A2 history courses. I have mentored many different members of staff and subjects successfully through their NQT year, many who have become leaders later on. I am the Professional Coordinating Mentor for the student teachers with the responsibility of quality assuring and standardising the training programme. As a member of the senior leadership team I have line managed two departments. I have led training to others leaders on arrange of topics including action planning to increase the number of A/A*s. I regularly observe and grade other teachers and colleagues' lessons.

I am very excited to begin sharing my experience, energy and creativity to inspire and motivate other leaders of history towards greater success.

Aansa Ali - Head of Geography and Head of Trips, Visits and Enrichment

I graduated from Kings College London having received a BA Hons in Geography and completed my teacher training at the Institute of Education. I began my teaching experience 7 years ago at Greenford High School as a student teacher, shortly after which I was appointed as an NQT.

I was appointed KS4 lead of the (then new) curriculum in my second year of teaching and the following year was appointed as Acting Head of Department. Within two years of responsibility for the KS4 area, results improved by +20% to 90% A*-C grade with 50% of these at an A*-A grade. Since then I have been appointed as Head of Department and have managed the department through various transitions including the move from a two year GCSE to a one year GCSE.

I am also a successful graduate of the Teaching Leaders programme. Participation in the course included developing leadership and management expertise as well as successfully carrying out an improvement initiative within the department. During my time as Head of Department I have mentored several student teachers as well as mentoring two NQTs and a Teach First colleague in their first year.

I have recently been appointed whole school responsibility for Trips, Visits and Enrichment. This involves managing enrichment activities throughout the year as well as planning, organising and ensuring the successful organisation of three days' worth of activities at the end of the school year.

I look forward to working with colleagues from across Ealing borough and beyond to raise standards of teaching and learning. By doing so I hope to be part of a wider team that positively impacts the lives of the young people we work with.

Specialist Leaders of Education (SLEs)

Models of Deployment

One Off Meeting/Training	Intensive Support	Coaching
<p>This model might be used to:</p> <ul style="list-style-type: none"> • Support the launch of a new initiative or curriculum development • Review SOWs or assessment practices • Deliver training to a department or team • Support subjects without a subject network <p>Duration of Deployment: Approximately ½ day – 1 day Cost: £175 - £350 (may be higher depending on level of experience of SLE)</p>	<p>This model might be used to:</p> <ul style="list-style-type: none"> • Bring about change or improvement quickly • Review, redesign and plan new SOWs or assessment practices • Support a new subject leader or school leader • Support a subject leader or school leader in challenging circumstances • Review a department and support the subject leader in designing an action plan for improvement <p>Duration of Deployment: Approximately 2-5 days Cost: £700 - £1750 (may be higher depending on level of experience of SLE)</p>	<p>This model might be used to:</p> <ul style="list-style-type: none"> • Bring about change or improvement over a short period of time • Provide on-going support with a project or initiative • Coach a subject leader or school leader where intensive support is not appropriate • Enable teachers to embed changes to practice in their teams <p>Duration of Deployment: Weekly/fortnightly/half termly meetings for an appropriate length of time (6 weeks/12 weeks/3 terms) Cost: £840 – £1050 (approximately and may be higher depending on level of experience of SLE)</p>
<p>All models involve some level of evaluation, reflection and follow-up. This will vary depending on the model and the nature of the deployment.</p>		

Specialist Leaders of Education (SLEs) Deployment Agreement

SLE Co-ordinator	Jo Trewin	E-mail teachingschool@twyford.ealing.sch.uk
SLE Name		E-mail
SLE's Area of Expertise		
SLE's School		Tel
Supported School		Tel
Headteacher of Supported School		E-mail
SLT Contact at Supported School		E-mail
Name of teacher(s)/ school leader(s) being supported		Job Title of supported teachers(s)/ school leader(s)
Deployment Start Date		Deployment End Date
Schedule of Visit(s)		
Type of Deployment (tick appropriate box)		
<input type="checkbox"/> One off	<input type="checkbox"/>	<input type="checkbox"/> Intensive
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Coaching
Details of Deployment		
Key focus area of support (Please indicate below the main priorities of the deployment and any relevant contextual information)		

Agreed Targets
Type of evidence to be gathered to demonstrate impact
Key indicators to be identified (e.g. improved exam results, attendance, Ofsted evidence, reduction in in-school variation)
Funding arrangements and total costs to be invoiced

Signed SLE

Signed Headteacher of Supported School

SignedHead of Teaching School/SLE co-ordinator

Specialist Leaders of Education (SLEs) Impact Review

SLE Name

Type of Deployment (tick appropriate box)

One off

Intensive

Coaching

Details of Deployment, including dates

Focus/Aims of Deployment

Evidence of Impact

Evaluation of Impact

SLE co-ordinator review

Models of School-to-School Support

School to School Support

The Ealing Teaching School Alliance is committed to the development of confident professionals through collaboration. It is focused on defining, developing and sharing curriculum expertise to ensure student outcomes are consistently high across the borough.

School Visits

Outstanding practitioners and/or departments who wish to host visits are shared across the alliance via the ETSA website. School visits are supported and monitored by ETSA through the Guidance for Sharing Good Practice documentation.

Open Mornings/Afternoons

Outstanding practitioners and/or departments who have a high number of requests for visits may prefer to offer an open morning/afternoon in order to more effectively share their good practice.

Specialist Leaders of Education (SLEs)

There are three models for the deployment of SLEs:

- 1) One-off visit or training
- 2) Intensive support of 2-5 days over a very short period of time
- 3) Coaching – regular sessions over a set period of time

Subject Networks

Networks for core subjects continue to support subject leaders through termly meetings. The introduction of networks for other subjects is to support those subject leaders tackle the challenges posed by changing curriculums and assessments.

Peer Reviews

In 2015-16 we will be developing a model of peer review for senior leaders on a range of themes.

Secondments/Internships/Shadowing Opportunities

School to School Support – School Visits

Arranging a School Visit

School/LA identifies an area for development – email copies of form to all T&L / CPD leads and ask them to fill in for all visits



School visits ETSA website <http://www.twyfordacademies.org.uk/ealing-teach-school-alliance/> or emails teachingschool@twyford.ealing.sch.uk to find a school to visit



Colleague wishing to visit downloads and completes the Pre-Visit Form section http://www.twyfordacademies.org.uk/documents/ETSA_Guidance_sharing_good_practice.pdf



Email form to teachingschool@twyford.ealing.sch.uk



ETSA liaises with SLT contact at school hosting visit



Host school and visitor(s) arrange a visit and inform ETSA via email

Ealing Teaching School Alliance Guidance for Sharing Good Practice

School Visits, Showcases and School-to-School Support

2015-16

Gathering Examples of Good Practice

- Use data to identify areas of strength
- Volunteers
- Evidence from Learning Reviews/ other reviews

Promoting Examples of Good Practice

- Use of data to identify areas of need
- Directory available on the ETSA website
- Direction from the school improvement team

Before a School Visit

Both parties should be clear as to the exact focus and purpose of the visit. To maximise the impact of the visit, arrange to visit with another colleague from your own school or from within the alliance.

Host

- Read the pre-visit form
- Clarify any points to ensure focus of the visit is clear and can be met
- Communicate necessary practical information

Visitors

- Complete pre-visit form
- Prepare for visit by researching a little about the school/dept
- Be very clear about what you hope to gain

During a School Visit

Both parties should have a copy of the pre-visit form with them.

Host

- Plan a focused experience which might include:
An introduction to the school/project/practice
Examples – observations in lessons, student work or interviews, input from other colleagues
A task for the visitor (this might work better for small groups of visitors)
Plenary – to return to pre-visit form and allow time for reflection
- Prepare something for the visitor to take away with them if appropriate

Visitors

- Keep in mind your focus but be open to what else you might learn
- Ask questions
- Make notes – come prepared to do so

After a School Visit

This will vary depending on the nature of the visit.

Host

- Follow-up with an email to see how the learning from the visit has impacted on practice
- Arrange a follow-up visit if appropriate
- Arrange a reciprocal visit if appropriate

Visitors

- Complete both parts of the reflection form
- Trial/implement/change practice as a result
- Feedback results of visit to host school
- Arrange a follow-up visit if appropriate
- Arrange a reciprocal visit if appropriate for the host school to see the impact
- Share your findings with colleagues in your setting

Other Models for Sharing Good Practice

Successful departments, teams and teachers might find it more effective and efficient to hold open mornings or afternoons. This could be requested by the ETSA and school improvement team to address an issue affecting more than one school.

**ETSA
School Visit Request**

Name:

School :

Email address:

Subject / role:

SLT contact (name and email address):

Host School (if known):

What is the purpose/focus of your visit?

Please tick as many as is applicable.

Strategies to raise attainment

Observe outstanding practice

Curriculum changes and schemes of work

Department systems (ie marking, setting, differentiation etc)

Moderation

Other
Please specify:

Date and time of visit (once agreed):

Post-Visit Form

To be completed by the Visitor(s) within 5 days of the visit.
Please return a copy to the host school and to teachingschool@twyford.ealing.sch.uk

Name:

School :

Email address:

Subject / role:

SLT contact (name and email address):

Host School:

Date of visit:

Brief outline of the visit:

In what ways did the visit fulfil its purpose/address its focus?

What else did you learn in addition to your planned focus?

What do you plan to do as a result of your visit?

Is there any way that the visit could have been improved?

**Ealing Teaching School Alliance (ETSA)
Sharing Outstanding Practice**

Details of Outstanding Practice

Impact

School/Department/Colleague

Contextual Information

Courses delivered:

Exam Board:

No. of Teachers:

No. of Students at KS4 (non-core):

%A*-C

No. of Students at KS5:

%A/A*-C/ALPs Score

Research and Development

Schools currently carrying out R&D projects are invited to complete the form below so that it can be shared with all ETSA schools via the website.

Ealing Teaching School Alliance (ETSA) Research and Development Project

Outline of Project		Time scale	Lead School(s)
Aims & Objectives		Outcomes	
Impact	Dissemination	Sustainability	