

EAL in the Mainstream Classroom

University of York
Louise Tracey



Evaluation Summary

Age range	Key Stage 4 (Year 10)
Number of pupils	1,400 EAL pupils
Number of schools	100
Design	School-level Randomised Efficacy trial
Primary Outcome	GCSE results in the primary subject (History)

Introduction

English as an Additional Language (EAL) learners form approximately one-sixth of all pupils in the English educational system. Whilst there is evidence that some EAL pupils do relatively well compared to their non-EAL counterparts, overall they are found to be behind their non-EAL peers (NALDIC). In addition, some groups do significantly less well, with a strong relationship existing between stage of fluency in English and educational attainment, strong regional differences and differences between EAL pupils from different ethnic groups in attainment (Hollingworth & Mansaray, 2012; Strand, 2015).

A review of language and literacy interventions specifically designed for EAL pupils found a lack of intervention studies within the UK context and within secondary schools (Murphy & Unthiah, 2015). It also found a lack of CPD interventions in this area which it regarded as 'of particular concern in the UK context given... a significant lack of EAL pedagogy and too much overlap between Special Educational Needs (SEN) provision and the teaching of pupils with EAL' (p.iv). This evaluation of 'EAL in the Mainstream Classroom' should help to increase the level of knowledge on possible interventions, focusing as it does on secondary school pupils, CPD and changing pedagogic practices to take account of EAL pupils' needs in relation to academic language and attainment.

The Intervention

'EAL in the Mainstream Classroom' is a CPD programme for teachers aimed to support EAL pupils in the mainstream classroom, with a particular focus on academic language. It is designed to enhance teachers' language skills and enable them to provide more focused classroom provision for EAL pupils, thus reducing the need for specialist teachers and support staff for this cohort. This is

particularly important as schools cannot provide dedicated specialist support for EAL pupils who are not new Arrivals. The CPD aims to address the lack of consistency in teaching for EAL pupils by improving teachers' skill with language, both general and subject specific, and provides training in how teachers can plan lessons with EAL pupils' language skills in mind, develop specific resources relating to those skills, and differentiate between pupils with different language skills and varying prior experience of education. The training supports classroom teachers' use and understanding of grammar, core academic vocabulary, and spoken language, which are key to helping EAL pupils within a whole class context, and which are also likely to have benefits for children more broadly.

An initial London-wide pilot of 'EAL in the Mainstream Classroom' consisted of five training modules aimed at teachers at different levels of expertise (trainees, Teaching Assistants, mainstream classroom teachers, lead teachers and trainers) and was developed by a partnership between Challenge Partners, Lampton School, and Hounslow Language Service. This pilot was tested with 58 schools. The evaluation found that all teachers reported increased levels of confidence and a wider repertoire of skills used in the classroom to support EAL pupils. Pupil surveys also showed that pupils developed their confidence in speaking in class as a result of the interventions designed by course participants (London West Alliance, 2015). However, there is little quantitative evidence in support of this programme so far.

A single unified core module is to be tested in this study that will focus on mainstream classroom teachers. As an efficacy trial this training model will ensure that the programme is delivered at optimum conditions but without the complicating factor of differing levels of teaching assistant support. The training will be delivered through Delivery Centres located in schools especially selected and trained by Challenge Partners for this purpose. These Delivery Centres will provide approximately 3 days' training and support in a group setting to mainstream classroom teachers within their local region in a cascade model to allow teachers' to embed new practice with support. This was a key learning development from the previous pilot which included only 1 days training. The training will have a particular focus on academic language.

METHODS

Research questions

The primary research question is:

- How effective is the 'EAL in the Mainstream Classroom' programme in improving subject specific academic attainment when delivered to Key Stage 4 EAL pupils taking GCSE History?

The secondary research questions address:

- How effective is the 'EAL in the Mainstream Classroom' programme in improving subject specific academic attainment in a second GCSE subject (Science) and English when delivered to Key Stage 4 EAL pupils?

- What is the impact of 'EAL in the Mainstream Classroom' when pupils receive the approach from more than one teacher in more than one subject area (I e. when pupils are taught by trained 'EAL in the Mainstream Classroom' teachers in both History and Science GCSE subjects)?; and
- What is the impact of 'EAL in the Mainstream Classroom' on non-EAL pupils within the same classrooms.

The research will also assess the impact of the programme on pupils with differing baseline fluency levels and on EAL pupils eligible for Free School Meals (FSM).

Pilot Year

The main trial of the intervention will be preceded by a pilot year. During this year the development team (Challenge Partners) will recruit 12 schools to act as Delivery Centres for the main trial. These will form the delivery sites for the main trial, providing support and ongoing training for intervention schools involved in the main trial. Emerging leaders within these schools will be recruited to deliver this training and support. Pilot schools must have sufficient capacity to provide this ongoing support and training, be located in centres with sufficient number of schools locally with large numbers of EAL pupils who could potentially be recruited to the trial and have sufficient number of EAL pupils in Year 10 taking GCSEs in the specified trial subject specialisms. Due to developer capacity 6 delivery schools will be recruited to trial the programme in November 2016 and 6 in Spring 2017. This phased approach will enable the delivery team to learn and refine the programme over the first year of the project.

During the pilot year, the evaluation team will attend one training session of the programme to more fully understand the model and use this to assist in the development of instruments to be used in the main trial. In addition, 4 delivery schools from the first (November) cohort will be recruited by the Evaluation Team. Schools will be sampled to encompass a variety of geographical and school-level contexts. In each of these schools delivery teachers will participate in classroom visits and teacher interviews and complete teacher surveys. In addition, facilitators in each school will also be interviewed. These Delivery Centres will also share routine data relating to programme delivery and pupil profile. The evaluators will use this pilot year to determine the viability of the main trial and pilot the measures to be used in the main trial. In addition, the decision to proceed to main trial and the primary and secondary subject specialisms will be determined during this pilot year.

Validity of the main trial

The validity of the main trial will be evaluated by assessing the feasibility of the main trial; readiness for trial; and evidence of promise of the programme.

Feasibility of the main trial. This covers an assessment of the delivery model, the capacity to recruit schools to the trial and release teachers for the necessary CPD and teacher engagement with the programme (including fulfilment of training requirements and implementation in the classroom). These will be assessed using routine programme data, teacher surveys, classroom visits and teacher and facilitator interviews. The feasibility of the current trial design will also be considered. This includes the numbers of EAL pupils reached and type of EAL pupils reached, in terms of both receipt

of EverFSM (as indicated in the National Pupil Database) and in terms of range of fluency of EAL pupils (as indicated by the fluency indicators collected annually for the school census).

Readiness for trial. In order to assess readiness for trial the evaluation team will use the teacher and facilitator interviews to assess whether the necessary processes and resources are in place to proceed to the main trial. In particular, the ability of the proposed Delivery Centres to deliver CPD to trial schools, including having the capacity to do so to scale and with the necessary resources and materials in place.

Evidence of promise. The pilot year will determine the perceived potential for effectiveness of the programme. Teacher interviews and surveys will be used to explore the extent to which teachers feel that 'EAL in the Mainstream Classroom' is improving their understanding of the linguistic demands of their subjects and changing pedagogic practice in the classroom. Classroom visits will also assess the extent to which the programme is being implemented in the classroom and the fidelity of programme implementation.

The decision to continue to main trial will be made by 18th April, 2017 by the project funders based on the promise of the programme, feasibility of the main trial and readiness for trial. The criteria for continuing to main trial are outlined in Table 1:

Area of Evaluation	Evidence Criteria
Evidence of Promise	<ul style="list-style-type: none">• 75% of participating teachers improve understanding of the linguistic demands of their subjects• 75% of participating teachers and programme facilitators express confidence in the programme being able to impact positively on pupils outcomes
Feasibility	<ul style="list-style-type: none">• evidence of programme implementation in more than 75% of classrooms• evidence that it is implemented with high levels of fidelity, i.e. 75% attendance at CPD and 75% completion of tasks
Readiness for Trial	<ul style="list-style-type: none">• evidence that the Delivery Centres have the ability to deliver CPD to trial schools (including necessary materials and resources in place) and recruit delivery schools

[A report on the pilot findings relating to these criteria will be presented to the funders by 4th April 2017.](#)

Piloting and Refining Measures

This year will also allow for piloting and refining of the measures to be used in the main trial, in particular the teacher surveys, and interview schedules. The Evaluation and Delivery teams will also

work closely to refine routine-level data collected by the development team to ensure that it is fit for purpose, ie will meet the needs of the delivery team and provide informative data to the Evaluation Team in order to minimise the burden placed on schools taking part in the research.

Main trial

Design

This is a two-armed school-level randomised efficacy trial. Randomisation between, rather than within, schools is preferred because it will minimise the risk of diffusion, which is considered to be quite high, given that the programme focuses on an approach to lesson planning and teaching with EAL pupils in mind. The secondary research question relating to the impact of the programme on a second subject-area also means that children could be allocated to different conditions across subjects, if a within-school design was adopted.

The evaluation will focus on Year 10 pupils. This means that the programme will have sufficient time to be firmly embedded prior to the end of Key Stage 4 assessments. It will also allow the researchers to avoid introducing any additional burden on classes and teachers relating to those classes in the crucial GCSE year although trained teachers may, of course, introduce the approach their Year 11 (and other) classes if they wish to do so.

Control schools will receive a financial incentive (£1,500) on completion of all data requirements (ie after summer term 2019) which could then be used to buy the intervention after the end of the trial if they wished. This avoids potential problems such as ethical issues if the intervention was not shown to be effective and, as the outcome measure is taken at the end of Year 11, prevents an unnecessary time delay involved in a waitlist design if contamination (crossover) effects are to be avoided. Intervention schools will receive 'EAL in the Mainstream Classroom' training and support free of charge.

'EAL in the Mainstream Classroom' is designed to be trained across subject specialisms and it is recommended that teachers are trained with teachers from different subject areas/departments to ensure the best training conditions and discussion of language. However, for the main trial it is proposed to have a single subject specialism (History) as the main focus of the evaluation, with a second, different subject specialism (Science) to assess the impact of 'EAL in the Mainstream Classroom' as a cross-curricular programme. History was chosen because this subject is high in contextual language and reasoning and since it is an optional subject it is less likely to be set by ability. Also, analysis by NALDIC for 2011 indicates that History is one of the subjects where bilingual pupils had lower average point scores at GCSE level compared to other GCSE subjects (NALDIC website, accessed 10 May 2016). Science is a core part of the curriculum and its study is compulsory to 16 (and therefore is more likely to reach a larger number of EAL pupils). It also has a range of components that will provide different challenges to EAL pupils, who may understand key scientific concepts but struggle to verbalise them. However, given that Science GCSEs include Single, Double and Triple Science awards this is regarded as more suitable for a secondary outcome measure.

Participants

Eligible schools will be recruited by the Delivery Centre schools with assistance from the developer and evaluation teams. Recruitment will be targeted at schools with high proportions of EAL pupils. In addition, they will:

- Be willing to release at least 2 teachers in each of the two subject specialisms who will be teaching Year 10 GCSE classes containing at least 14 EAL pupils expected to enrol on a GCSE History programme and 14 EAL pupils taking a GCSE Science programme; and
- Be located close to Delivery Centres.
- Not be implementing the programme or intend to acquire the programme until after summer 2019 if allocated to the control condition.

Participating pupils will be those EAL pupils enrolled in History and Science GCSE classes, taught by the EAL in the mainstream classroom trained teachers in September 2017 and their non-EAL peers in the same classes. Pupils will also have had to be in the English education system at the end of Key Stage 2. EAL pupils are those initially defined as EAL using the initial DfE binary designation (Yes / No). This will be further defined by the added criteria that they are placed across the range on the A-E fluency scale introduced for the 2016/2017 school census. This fluency measure will be collected from schools at the beginning of the academic year 2017/2018 and taken into account during the analysis.

Two teachers per subject (i.e. Science and History) per schools will be trained with, if feasible, teachers from additional subjects (not included in the trial) to be trained alongside them. Emerging leaders will be particularly targeted as the ideal candidates for training. Training will be delivered by the Delivery Hub schools recruited in the pilot year with a cohort-based training delivery model in order to not overstretch the capacity of these schools. Consequently, half of intervention schools will receive training in the Autumn Term of the main trial and the remaining half in the Spring Term. Each delivery hub will recruit 8-10 schools each for the evaluation.

Randomisation

Schools will only be eligible for randomisation after:

- Providing pupil details for the trial teachers (UPNs, pre-specified demographics, trained teacher and subject details).
- Teacher consent
- Head teacher signed Memorandum of Understanding
- Completion by all participating teachers of a pre-randomisation teacher survey.

Parental 'opt-out' consent will be obtained after schools have been recruited to enable parents, if they wish, to exclude use of their child's pupil-level data from the research.

Randomisation will be conducted at the school-level using minimisation. Minimisation uses algorithms to ensure balance at baseline and permits ongoing allocation so schools know which condition they have been assigned to soon after recruitment. The covariate at baseline will be region to ensure Delivery Hub capacity to deliver training and ensure comparability within each Delivery

Hub region. Randomisation will be conducted by the Evaluation team using MinimPy software (MinimPy, 2013).

Outcome Measures

The proposed primary outcome will be attainment by EAL pupils in GCSE in the primary subject specialism (ie History).

Secondary outcome measures will be:

- EAL pupils GCSE results in the second subject specialism (Science)
- the results of EAL pupils taught by teachers trained in the approach in History and/or Science in GSCE English Language. These would assess the impact of pupils being taught by trained teachers in more than one subject specialism and the impact of the programme on more general academic language attainment.

All suggested measures are of key interest to schools and recognised as national markers of achievement.

The primary pre-test measure will be the KS2 SATs results as these are high in contextual validity and are highly correlated with attainment at the end Key Stage 4. It is recognised that this does exclude pupils from the trial who have since entered the English education system. However, this is not the case for the majority of EAL pupils in schools in England and those new to the system with low levels of fluency are regarded as needing additional help beyond mainstream classroom support.

In addition, a measure of fluency will be collected at baseline for subgroup analysis of differential effects of the intervention based on students' pre-intervention fluency levels. It is proposed to use the EAL fluency descriptors from the school census. From September 2016 all schools are required to return this information, recording level of fluency (graded from A -E, A being new to English and E being fluent), annually for all EAL pupils. Although we recognise that there are limitations to the fluency indicators as they stand (namely, that they are teacher assessed and are unmoderated) we feel that they do, however, reflect teachers' perceptions of pupils' fluency at a given time point and are the only available proxy for students' fluency that is available without additional testing.

Using primarily nationally collected data will minimise costs and the burden on schools and pupils. All teachers (control and intervention) will receive £25 for completing extra administrative tasks required by the evaluation, including completion of teacher survey's and return of the proposed fluency measure. This will be administered by the Evaluation Team at the end of the main trial (ie when all requirements have been completed).

Sample size calculations

The statistical power of the proposed analyses was estimated based on figures achieved in previous, similar trials, using Optimal Design software (Raudenbush et al., 2011). Statistical assumptions were as follows:

Pre-test variance between schools (R^2) = 0.65

Intra-class correlation (ρ) = 0.19

These figures are based on figures achieved in previous, similar trials (eg Hanley et al., 2016).

To reach a minimal detectable between-school effect size of 0.20 due to the intervention (and the same MDES for EAL pupils) at a statistical power of 0.80, we would need a minimum of 100 schools with a minimum of 14 Year 10 EAL pupils in each subject specialism (ie taking a GCSE in History and/or Science; See Appendix). Having run the analysis for a range of scenarios, these numbers seem realistic, since EAL pupils comprise only about 16% of the population (Strand, 2015). Recruited schools would need to have at least 107 pupils in Year 10 to cover for approximately 20% student dropout during the study.

Assuming 15% school dropout (in line with the average for EEF trials) it was recommended recruiting 115 schools with 17 Year 10 EAL pupils per school. However, given that this is an efficacy trial, and that developers and Delivery Centres have limited delivery capacity, it was decided that 100 schools would be recruited for the main trial, with two teachers per target subject area and at least 7 EAL pupils in these teachers' subject specialism GCSE classes and an average of 17 EAL pupils per subject specialism across the sample.

Analysis plan

The impact analysis would use Hierarchical Linear Models (HLMs), which model the pupils as nested within schools and make it possible to separate within school variation in the outcome from between school variation. The analyses will use an intent-to-treat-design which means that outcomes data will be treated in the main analysis according to the condition allocated (control or intervention), not that actually received. Analysis will include all eligible EAL pupils (ie those for whom KS2 SATS results will be available) enrolled in Year 10 History GCSE in September 2017 and taught by teachers enrolled in the trial. Pupil data received by schools prior to randomisation will be updated in September 2017 to ensure all eligible pupils are included in the main analysis. The KS2 attainment pre-test will be used as the covariate. Effect sizes will be calculated using Hedge's *g*.

After the main analyses secondary analysis will be conducted for EAL pupils taking GCSE science subjects. A sensitivity analysis will be conducted that uses an implementation fidelity rating derived from the process evaluation instead of the treatment allocation variable and dosage (ie when the teachers were trained). The implementation fidelity rating will be developed during the pilot year by the evaluation team with the development team. It is intended to be derived from the routine monitoring information collected by the Delivery Centres and programme developers to reduce data collection requirements and will include; attendance at training, completion of CPD requirements, level and nature of support received from Delivery Centres. It will be confirmed after the decision to proceed to main trial has been decided (April 2017).

Since the programme is delivered on a class basis, we will also evaluate what, if any, effect the intervention has on non-EAL pupils in the main trial participants peer group.

In addition to the intention to treat analysis, subgroup analysis will be conducted based on prior fluency level of EAL pupils and for EAL pupils who receive teaching from History and Science teachers trained in the CPD (ie the effect of double dose). Although the trial is not powered for subgroup

analysis based on EAL FSM pupils the feasibility of conducting such an analysis will be explored during the pilot phase of the study.

Implementation and process evaluation methods

The process evaluation will seek to answer the following key research questions:

- To what extent was the programme implemented with fidelity and what modifications were adopted
- The impact of 'EAL in the Mainstream Classroom' on the classroom experience.

In order to do this a light touch process evaluation is envisaged to minimise the burden on participating schools whilst enabling the evaluation team to quantify processes to inform the impact evaluation outcomes and provide explanatory variables for these outcomes. This process evaluation will focus primarily on teachers and pupils in the primary outcome subject specialism, with some additional data collected from the Delivery Centres.

Monitoring Information - Given that this is an efficacy trial we would anticipate a high level of monitoring and mentoring with schools to be conducted by the developers. We will work with Challenge Partners during the additional development phase to ensure that any such monitoring met both evaluation and developer needs eg. training materials, assignments, lesson plans and pre- and post-course indicators. This data can also be used for any sensitivity (implementation) analysis conducted as part of the impact evaluation. The protocol will be updated in July 2017 to clarify which monitoring information will be used. In addition to the monitoring information a small number of interviews will be conducted with the lead teachers in the Delivery Centres (approximately 4 Delivery Centres) to understand the training model in practice and the implementation of 'EAL in the Mainstream Classroom' in trial schools. These interviews and routinely collected data will also include information relating to other forms of support provided to EAL pupils and the level of that support within schools.

Classroom visits - Classroom visits will be undertaken with a small number of intervention schools (approximately 12, one from each Delivery Hub). These will encompass a lesson observation and post-observation teacher discussion in the primary outcome subject. These will enable the team to conduct an in-depth analysis of implementation fidelity and the translation of the CPD into the classroom context. In addition to implementation pupil confidence and engagement will also be assessed. Observation checklists will be used and checked for inter-rater reliability. These classroom visits will be developed into case studies to be reported alongside impact findings.

Teacher survey - An on-line teacher survey will be administered to all intervention and control teachers in the primary subject specialism (ie History) using Qualtrics software (Qualtrics, 2015) both before and after the intervention. This will provide the evaluation team with a comprehensive picture of the teaching of EAL pupils and school and class context in the trial schools alongside understandings, adaptations and experience of the programme and training (intervention-only schools), any other strategies or programmes used by teacher in the trial, teacher profession knowledge and experience. These could be quantified and provide validity to the generalisability or otherwise of the case studies. A follow-up survey would be administered at the end of 2019 to assess the longer-term impact of the CPD.

Analysis

Both quantitative and qualitative analysis of the process evaluation data will be conducted. The interviews will be transcribed professionally and coded using NVivo software (NVivo, 2012). In addition to analysing the data separately we will triangulate the findings to inform the impact analysis and understand the outcomes of the evaluation more fully. As this is an efficacy trial case studies will be developed to provide high quality, in-depth study to understand the implementation of the programme within the classroom context. Process evaluation data will also be used in the impact evaluation analysis in particular in the sensitivity analysis. In addition, we will use process evaluation data to conduct a mediator analysis based on teacher confidence and we will produce an indicator that measures degrees of EAL support present within schools. In a secondary analysis this EAL support indicator will be used as a school-level predictor to test whether level of EAL support within a school has a direct effect on the primary and secondary outcome measures as well as test for an interaction with the intervention.

Costs

Following EEF guidelines, the evaluation team will provide a cost per pupil per year for the first year and potentially subsequent years of the intervention (following years will be less expensive due to non-recurrent costs being excluded, eg, lower training costs in subsequent years to cover new staff or top-up costs only). Costs of implementation will be systematically identified in the process evaluation and are likely to include training days (paying trainers, cost of materials, printing, venue, refreshments, travel) and resources. Opportunity, rather than financial costs, will be split out separately, eg, teacher time for training and planning. Cover costs for training will also be identified separately because some schools will pay for a supply teacher whereas others will manage by reallocating existing staff or using training days. Cost implications will be identified through discussions with the project team and teacher feedback from the survey, interviews and school visits.

Ethics and Registration

Ethical approval for this study will be sought through the Ethics Committee of the Department of Education, University of York. Consent for participation in the trial will be through Head teacher opt-in and teacher consent. The use of pupil data will be through parental information sheets, including use of NPD data, and opt-out consent.

All outputs will be anonymised so that no schools will be identifiable in the report or dissemination of results. Data will be handled in accordance with the Data Protection Act (1998). Statistical databases will hold non-identifiable data. All coding will subject to checking and data will be input twice to ensure accuracy. Confidentiality will be maintained and no one outside the evaluation team will have access to the database. The trial database will be securely held and maintained on the University's research data protection server, which is regularly backed up.

The trial will be registered at <http://www.isrctn.com/>

PERSONNEL

Evaluation Team

Dr Louise Tracey (Principal Investigator), Department of Education, University of York.

Dr Jan R. Boehnke (Co-Investigator), Hull York Medical School and Department of Health Sciences, University of York.

Louise Elliott (Co-Investigator), York Trials Unit, University of York.

Dr Pam Hanley (Consultant), Research Fellow, University of Huddersfield.

The Evaluation Team will be responsible for the design, randomisation, data collection, analysis and reporting of the evaluation.

Delivery Team

Challenge Partners (Project Management, recruitment, Quality Assurance, monitoring, admin)

Stefani Shedden, Programme Director

Sasha Maisel, Project Manager - first point of contact for any questions about the project

Jess Talbot, Head of Challenge the Gap programmes

Hounslow Language Service (Training design, content development and training delivery)

Li Yen French, Director

Rehana Ahmed, Managing Director

Manny Vazquez, EAL specialist

Andy Harvey, EAL specialist

Lampton School (Training design, content development and Quality Assurance)

Jacquie Smith, Teaching School Director

The Delivery Team will be responsible for school recruitment, intervention development, training and delivery of the programme.

RISKS

Risk	Preventative measures	Likelihood
Insufficient schools recruited	<ul style="list-style-type: none"> • emphasise promising intervention, not very disruptive on the curriculum • emphasise evaluation not very onerous • outcome measures are routinely collected data (GCSE results) 	Low
High attrition from evaluation, especially of controls	<ul style="list-style-type: none"> • initial recruitment to clearly explain RCT and value of controls • regular “newsletter”/contact • financial incentive to controls • over-recruit by 15% • pre-test and interim measure results could be provided to all schools 	Low
High attrition from intervention or poor implementation	<ul style="list-style-type: none"> • as this is an efficacy trial we anticipate high levels of mentoring and monitoring by trainers 	Low
School staff turnover	<ul style="list-style-type: none"> • system for notification of teacher turnover or sickness so new staff get trained quickly 	Medium
Managing a team across departments and disciplines	<ul style="list-style-type: none"> • responsibility for co-ordination with PI (Louise Tracey) who has extensive experience of project managing similar teams • regular meetings and updates by team members • clear differentiation of responsibilities and roles 	Low

TIMELINE

	School Year 2016-2017			School Year 2017-2018			School Year 2018-2019			School Year 2019-2020		
	Autumn Term	Spring Term	Summer Term	Autumn Term	Spring Term	Summer Term	Autumn Term	Spring Term	Summer Term	Autumn Term	Spring Term	Summer Term
PILOT												
Recruit delivery sites to trial												
Trial measures												
Collect pilot data												
Determine trial viability												
MAIN TRIAL												
Recruit schools												
Randomise												
Collect school data												
Collect pre-test data (KS2)												
Attend training												
Collect fluency measure												
Conduct observations and Interviews												
Collect process evaluation data												
Collect survey data												
Intervention												
Collect post-test (GCSEs)												
Conduct Analyses												
Main report												

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Appendix: Evaluation School EAL teacher and pupil recruitment

Delivery Centres will be responsible for recruiting Evaluation Schools to take part in the main trial. As seen in Figure 1, each Evaluation School must have:

- 2 teachers in each subject specialism (History and Science); and
- an average of 17 Year 10 EAL pupils in each subject specialism (ie taking a GCSE in History and/or Science)

Figure 1: Evaluation School teacher and pupil recruitment criteria

