

**Details of HEFCE's programme of work to support strategically important and vulnerable subjects over the period 2005-06 to 2011-12**

Subject area	Initiative	HEFCE funding	Co-funding from partners
<u>Languages and area studies</u>			
Research capacity: Arab world, China and Japan, Eastern Europe and the former Soviet Union	Area studies and related languages	£11.2 million over five years from 2006-07	£14.8 million over five years from the Arts and Humanities Research Council, the Economic and Social Research Council (ESRC) and Scottish Funding Council (SFC)
Japanese at Oxford Brookes University	Additional student numbers (ASNs)	30 ASNs = £110,000	From Regional Development Agency (RDA)
Modern foreign languages at the University of London's constituent colleges	ASNs	240 ASNs = c£1 million	
Languages	Routes into Languages: regional pilots to widen and increase participation in language study	£4.5 million	£4 million from the Department for Children, Schools and Families
Islamic studies	Development funding following the designation of Islamic studies as a strategically important subject in June 2007	£1 million	

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Languages of the Wider World	Centre For Excellence in Teaching and Learning (CETL)	£2.5 million over five years; £2.35 million capital	
<u>Science, technology, engineering and mathematics</u>			
Research capacity and capability			
Research capacity: research and training methods involving 'in vivo' techniques	Capacity-building awards in integrative mammalian biology	£4 million over five years from 2006-07	£8 million from the SFC, BBSRC, MRC, Pfizer and GlaxoSmithKline
Applied mathematics; materials; sustainability	Research collaboration: Great Western Research	£4 million	£10 million from RDA, business and higher education institutions (HEIs)
Energy futures, advanced materials; translational medicine	Birmingham Warwick Science City Interdisciplinary Research Alliance	£10 million	£60 million
Physics	Research Collaboration: Midlands Physics Alliance	£4 million	
Physics	SEPNET (South East Physics Network)	£12 million	£15 million
Chemistry	ASNs	62 ASNs transferred to the Universities of Bath and Bristol = £320,000	
Research capacity: analytical science; operational research; structural ceramics; tribology; energy	Science and Innovation Awards round four	£4 million over five years from 2007-08	£23 million

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Research capacity: mathematical analysis; renewable energy; chemical engineering at the life sciences interface; quantum coherence; physical organic chemistry	Science and Innovation Awards round three	£4 million over five years from 2006-07	£23 million
Research capacity: chemical engineering and the life sciences, mathematical statistics and nanotechnology	Science and Innovation Awards round two	£2.2 million over five years from 2005-06	EPSRC and SFC (funding allocated on project-by-project basis)
Teaching capacity and capability			
Physics; chemistry; chemical engineering; minerals, metallurgy and materials engineering	Additional funding for very high cost and vulnerable STEM subjects	£100 million over four years from 2007-08	
Learning and teaching/demand-side work			
Engineering	London Engineering Project (The Royal Academy of Engineering)	£4.37 million over three-and-a-half years	£3.4 million
Centre for Excellence in employer-linked engineering education	CETL	£2.5 million over five years; £94,000 capital	
Chemistry	Chemistry for Our Future (The Royal Society of Chemistry)	£5.2 million over three-and-a-half years	£1 million
Bristol ChemsLabS CETL	CETL	£2.5 million over five years; £2.35 million capital	

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Physics	Stimulating Demand for Physics (The Institute of Physics)	£2.82 million over three years	£400,000
Centre for Excellence in Innovative Physics Teaching	CETL	£2.5 million over five years. £1.7 million capital	
Maths	More Maths Grads (led by a consortium of mathematical societies)	£3.3 million over three years	£65,000 from Institute of Mathematics and its applications, Royal Statistical Society and London Mathematical Society
Centre for Effective Learning in Science (CELS)	CETL	£2.5 million over five years; £2.35 million capital	
Sigma – Centre for excellence in mathematics and statistics support	CETL	£2.5 million over five years; £2.35 million capital	
Centre for Open Learning of Mathematics, Science, Computing and Technology	CETL	£2.5 million over five years; £940,000 capital	

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Information Technology (IT)	'Revitalise IT' initiative to raise demand for IT degrees and careers; new IT Management for Business qualification framework; funding to connect higher education to employer demand for continuous professional development for IT professionals. Developed by employers, universities and e-skills Sector Skills Council	£9.4 million over two years from 2007	£7.2 million plus in-kind contributions
<u>Quantitative social science</u>			
Work with ESRC to support the development of advanced quantitative methods in quantitative social science	Initiatives to develop interest at school level; undergraduate curricula development; support for quantitative social science masters programmes; supporting high-quality research and methods training throughout the UK	£4 million over five years	ESRC contribution of £14.4 million

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<u>SIVS: recurrent funding</u>			
National and regional SIVS	ASNs: 25,000 full-time equivalent student places to address strategic priorities for each region	5,273 full-time equivalent student places in the sector for STEM subjects for delivery in the period 2006-2008 (c£29 million)	
Rare languages and small subject areas	Minority subjects	£3 million per year over the period 2005-06 to 2011-12 = £15 million	
<u>SIVS: all disciplines</u>			
German, chemistry, physical sciences, Mandarin, Arabic	Open University: delivery of vulnerable subjects in partner HEIs utilising the Open University's curriculum and delivery methods	£2.2 million	In kind from partner institutions
All SIVS	Additional support following withdrawal of funding for equivalent and lower qualifications	£96 million	
<b>Total</b>		<b>c£354 million</b>	<b>At least £180 million plus contributions in kind</b>

**Notes to the table**

This table is a snapshot of our activity to support SIVS. It does not include every activity we undertake that supports SIVS, either directly or indirectly.

Only seven of the 74 CETLs are listed. Many others directly impact on SIVS or cross disciplines and pedagogic activity that support SIVS. The contribution that CETLs make in support of SIVS will therefore be vastly understated in the table.

Only those ASNs allocated to STEM and language subjects are listed. This represents some 5,300 additional places out of a total of 25,000 full-time equivalent that will be allocated in 2006-08 via the strategic or managed growth routes. We have not attempted to quantify growth allocated for SIVS beyond 2008. The contribution that ASNs make in support of SIVS is therefore understated.

Co-funding from partners: this has not discriminated between actual funding committed (for example for the area studies and related languages initiative), and that committed in kind by partners (such as the Institute of Physics).

GDP uplifts have not been included in minority subjects.