

A new perspective on applied education: the JCB Academy, UTCs and the future of diplomas

Mark Henshaw – Vice Principal
The JCB Academy





Sir Anthony Bamford Chairman, JCB Group

"I am passionate about the importance of manufacturing to Britain and The JCB Academy shows we are prepared to invest in creating the next generation of young engineers"







Vision

Develop employable young people with:

- Positive attitudes
- Emotional intelligence
- Intellectual horsepower
- Appropriate competencies

Achieve excellence in academic and vocational education

 A catalyst to improve provision across the region for engineering, manufacturing and business skills





Ethos

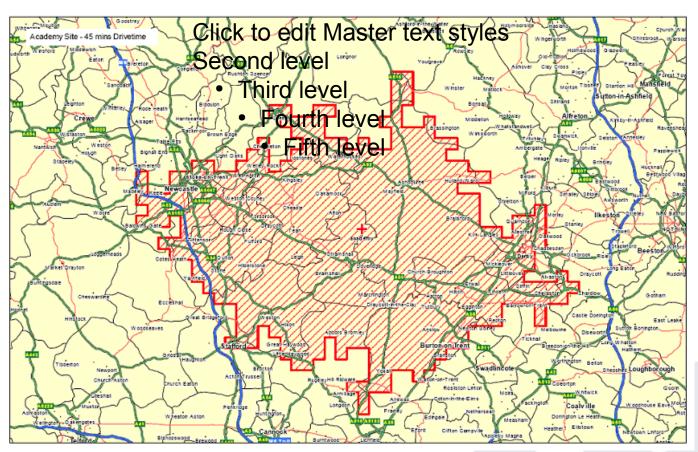
We intend to develop:

- "Can do will do" attitudes
- Passion for quality
- Desire to achieve through actions
- Pursuit of technical and academic excellence
- Creative and enterprising behaviour
- Team and leadership capacity





Where and why?



















Developing Engineers And Business Leaders For The Future

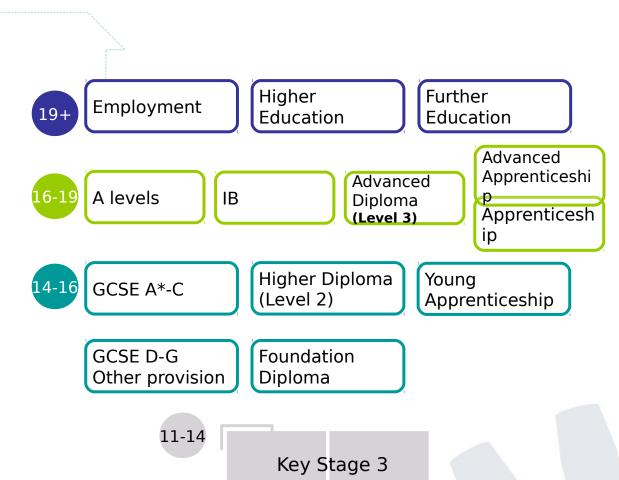


Talking Heads





Why the diploma?







The Structure

Principal learning

Skills, knowledge and understanding central to the chosen Diploma

Employer and university designed and endorsed

Generic learning

Functional skills: English, mathematics, ICT

Personal, learning and thinking skills

Additional and specialist learning

Optional units

Can broaden and deepen learning programme

Clear progression pathways

Work experience (minimum 10 days), project





Curriculum at KS4

All students presently take the Engineering and Business Diplomas

In addition students undertake GCSEs in Mathematics, Science (at least 2 GCSEs), English Language, German and ICT

They also cover Citizenship, Physical Education, Enterprise, Religious Studies, Careers Education and Guidance and Personal, Social and Health Education

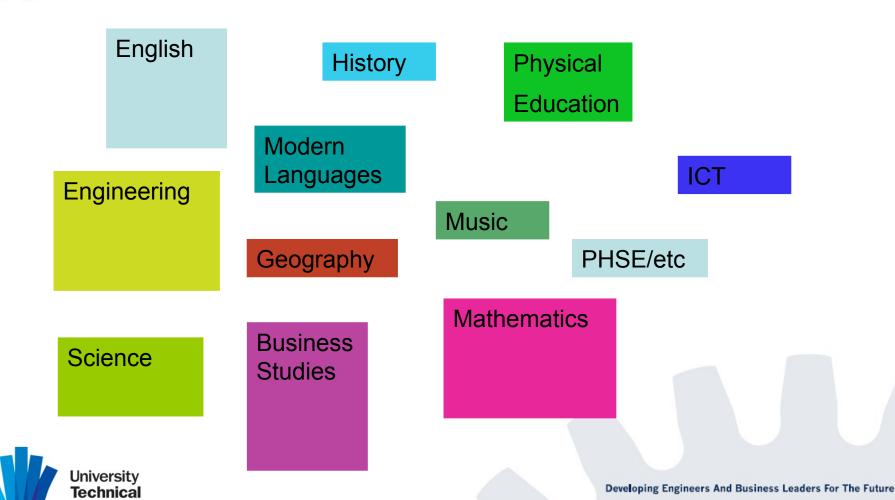




Developing Engineers And Business Leaders For The Future

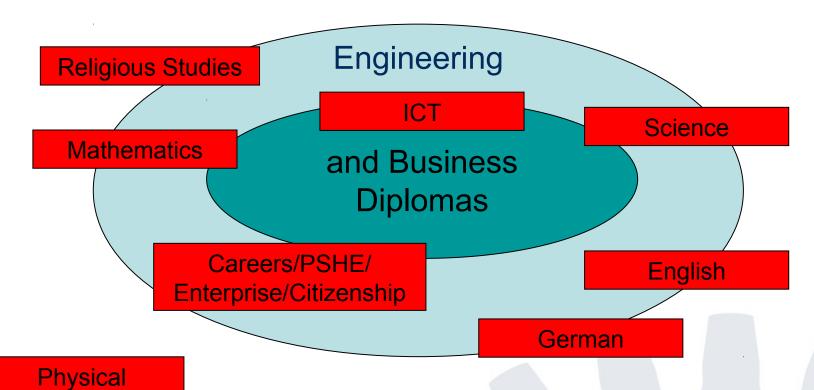
More normal curriculum

Colleges





JCBA Curriculum





JCB Academy Partners























Rexroth

Bosch Group







UNIVERSITY OF CAMBRIDGE













THE JCB ACADEMY









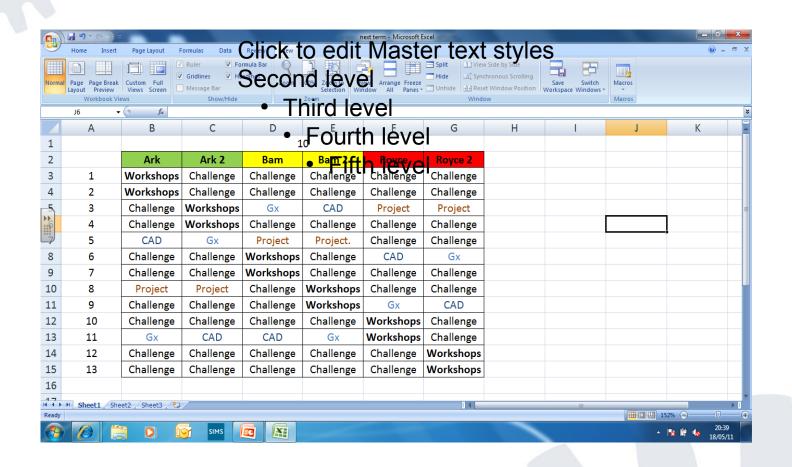




Huma	Impert	Cour hav		mulas P	toto Bey	teror Vie			Books - Mi	crosoft Excel									0000
	TARSHINA VI	System st	William I	Ruler Gridlings Message Bar Show	Pormuta Presente	Zoo	m 100%	relection w				al Synchron al Synchron al Reset Win		wo78YSa.	. winded.	Macros			
				ork Ball Ch	allenge:			eering: Adm											
_	0				6"					N N		~	P-4			- a	R		T
com	etwork puters in En							nallenge		-		eting (IET. II		a:		IIS-Roy			
com														a:					
com														a:					
Com														a:					
Com														a:					
Com														a :					
com														a :					
Com														a :					
Com														a :					
COM														a :					
COM														a:					
com														a:					
	puters in Er	ngineering	Administ								Marks	eung (IET, I		a:					
		ngineering	Administ								Marks			a:			Productio	n: Enterpri	























Module 2 Assignment - JCB Issued September 2010

OCR Level 2 Principal Learning in Engineering & Business and Finance

Units: F554 Maintenance

F269 Developing your business communication skills

F275 Developing effective customer handling skills for business

The scheme codes for this qualification are:

OCR Level 2 Principal Learning in Business, Administration and Finance H801

OCR Level 2 Principal Learning in Engineering H810

The QCA Accreditation Number for this qualification is:

OCR Level 2 Principal Learning in Business, Administration and Finance 500/4173/3

OCR Level 2 Principal Learning in Engineering 500/2399/8

The QCA Accreditation Numbers for these units are:

Unit F269: Developing your business communication skills F/501/8811

Unit F275: Developing effective customer-handling skills for business D/501/8816

Unit F554: Maintenance L/501/18932





University Technical Colleges

14 to 19
Sponsored by a university
One or two technical specialisms
Curriculum driven by employers

Hand and mind under one roof





UTC Curriculum

General education

Bridging core subjects

Technical and practical

Integrated but explicit with qualifications driven by employers





UTC Curriculum

Baker Dearing Trust are custodians.

50 applications for current 12 required.

They have 400-600 pupils.

Focus on regional employer needs.

Integrated but explicit with qualifications driven by employers





The future of the Diploma.

Funding

Functional Skills and PLTS

The English Bacc.

The Tech. Bacc.





Contact

m.henshaw@jcbacademy.com

01889 506100

