

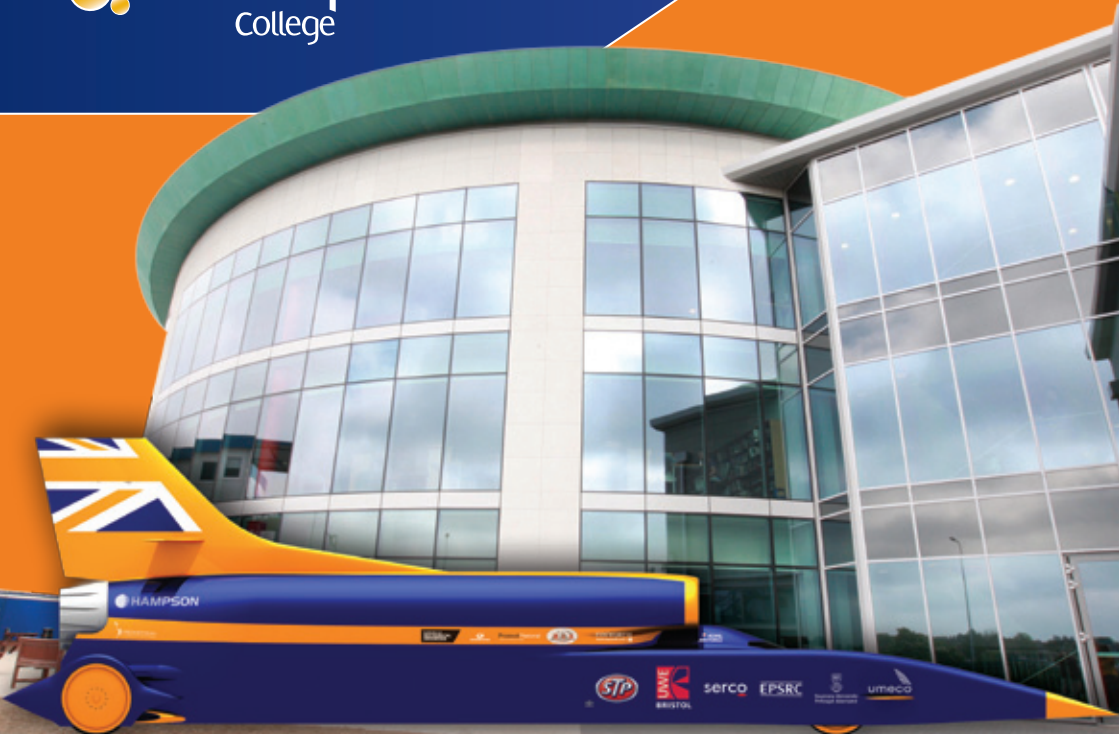
BLOODHOUND SSC[®]
ENGINEERING ADVENTURE



**GET READY TO BE
BLOWN AWAY!**

Bloodhound SSC visits Northampton College on
Wednesday, **22 February** and Thursday, **23 February 2012**

 **Northampton**
College



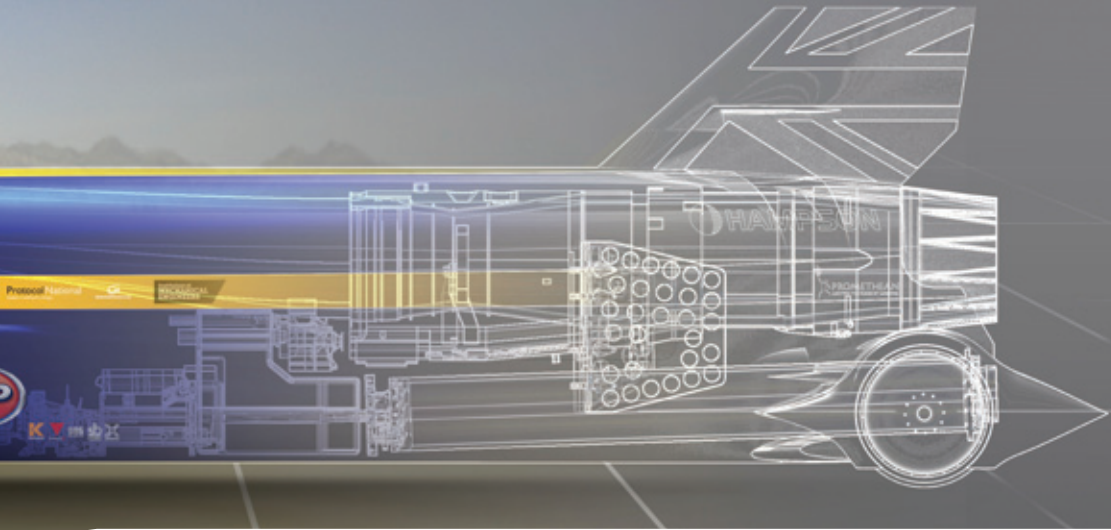
BLOODHOUND SSC (Supersonic Car) is leading the latest attempt to break the world land speed record. Bloodhound, designed and built in Britain, is powered by a Rolls Royce Eurofighter Jet Engine and Hybrid Rocket and delivers the equivalent of 135,000 horse power (equivalent to the power of 112 Bugatti Veyron Super Sport cars).



A life-size replica of the Bloodhound car will be based in Northampton College's brand new state-of-the-art engineering studios to help inspire the next generation of engineers, and boost the number of pupils and students taking courses in Science, Technology, Engineering and Mathematics (STEM) subjects.

Northampton College is delighted to welcome local high technology engineering company Cosworth, a key partner in, and sponsor of, the development of this extraordinary car.

**YOUR CHANCE
TO BE BLOWN AWAY...**



WEDNESDAY, 22 FEBRUARY

9.30AM – 11.30AM

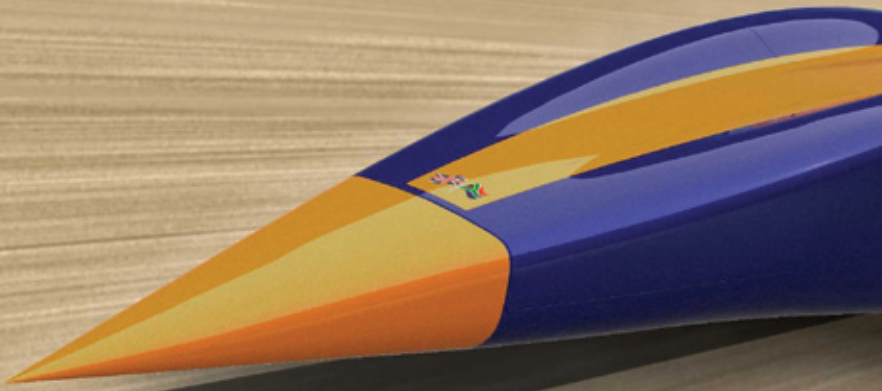
THE BLOODHOUND SSC EXPERIENCE

Primary Schools are invited to Northampton College at Booth Lane for talks and activities associated with the Bloodhound Supersonic Car.

Including:

- Presentation about the Bloodhound SSC project
- Visit to the Bloodhound SSC exhibition and simulated high-speed driving experience
- Demonstrations of Co-ordinate Measuring Machines, CNC Lathe and Milling Machines, Solidworks and CAD Drawing packages
- RøG Precision and Pr1mo Racing – display and discussion on British Superbikes
- Gravity racing – see the College's own competition vehicle in production
- Balloon car racing
- Go Motorsport – Formula 1 components – display and discussion
- Snap-on Tools – presentation
- Engine rigs in operation
- Cosworth – electric bicycle, ultra lightweight miniature diesel engine and Bloodhound-branded V8 engine

WEDNESDAY, 22 FEBRUARY



1.00PM – 4.00PM

Current Northampton College students on Science, Technology, Mathematics and Engineering (STEM) programmes are invited to see and experience the Bloodhound SSC project.

Including:

- Presentation about the Bloodhound SSC project
- Visit to the Bloodhound SSC exhibition and simulated high-speed driving experience
- 'Have a go' sessions on Co-ordinate Measuring Machines, CNC Lathe and Milling Machines, Solidworks and CAD Drawing packages, Materials Tensile and Hardness Testing Machines
- Precision engineers, Turnell & Odell introduce a career in engineering
- R&G precision and Pr1mo Racing – display and discussion
- Gravity racing – see the College's own competition vehicle in production
- Bloodhound SSC air-powered dragsters
- Go Motorsport – Formula 1 components – display and discussion
- Snap-on Tools – presentation
- Engine rigs in operation
- Cosworth – electric bicycle, ultra lightweight miniature diesel engine and Bloodhound-branded V8 engine



5.00PM – 9.00PM THE BLOODHOUND SSC OPEN EVENING

As part of Northampton College's wider Open Event, prospective students and the general public are invited to visit our Booth Lane site and see the Bloodhound SSC exhibition.

The College will be open in all its teaching areas to offer advice and guidance on our full range of courses and career opportunities.

Including:

- Presentation about the Bloodhound SSC project
- Visit to the Bloodhound SSC exhibition and simulated high-speed driving experience
- Advanced engineering and motor vehicle demonstrations by existing students of Northampton College
- Tour of engineering and advanced technology workshops and facilities at the College
- Gravity racing – see the College's own competition vehicle in production
- Engine rigs in operation
- Cosworth – electric bicycle, ultra lightweight miniature diesel engine and Bloodhound-branded V8 engine

8.00AM – 9.30AM

THE BLOODHOUND SSC BUSINESS BREAKFAST

(By invitation only)

Organisations from across the region have been invited to the new Northampton College building to experience the Bloodhound project.

Including:

- Presentation about the project with guest speakers Tim Routsis, CEO, Cosworth, and Jonathan Ellis from Bloodhound SSC
- Visit to the Bloodhound SSC Exhibition
- Presentation on Apprenticeship opportunities from Northampton College Business Centre
- An opportunity to tour the new facilities at Booth Lane

10.00AM – 12.00NOON

THE BLOODHOUND SSC EXPERIENCE

Secondary Schools are invited to the College for talks and activities associated with the Bloodhound SSC.

Including:

- Presentation about the Bloodhound SSC project
- Visit to the Bloodhound SSC exhibition and simulated high-speed driving experience
- 'Have a go' sessions on Co-ordinate Measuring Machines, CNC Lathe and Milling Machines, Solidworks and CAD Drawing packages, Materials Tensile and Hardness Testing Machines
- Precision engineers Turnell & Odell introduce a career in engineering
- R&G precision and Pr1mo Racing – display and discussion
- Gravity racing – see the College's own competition vehicle in production
- Bloodhound SSC air-powered dragsters
- Go Motorsport – Formula 1 components – display and discussion
- Snap-on Tools – presentation
- Engine rigs in operation
- Cosworth – electric bicycle, ultra lightweight miniature diesel engine and Bloodhound-branded V8 engine



BLOODHOUND SSC modelled in NX

SIEMENS

1.00PM – 3.00PM

An additional opportunity for Primary Schools to visit the College for talks and activities associated with the Bloodhound SSC.

Including:

- Presentation about the Bloodhound SSC project
- Visit to the Bloodhound SSC exhibition and simulated high-speed driving experience
- Demonstrations of Co-ordinate Measuring Machines, CNC Lathe and Milling Machines, Solidworks and CAD Drawing packages
- R&G Precision and Pr1mo Racing – display and discussion on British Superbikes
- Gravity racing – see the College's own competition vehicle in production
- Balloon car racing
- Go Motorsport – Formula 1 components – display and discussion
- Snap-on Tools – presentation
- Engine rigs in operation
- Cosworth – electric bicycle, ultra lightweight miniature diesel engine and Bloodhound-branded V8 engine

3.00PM – 4.00PM

A final opportunity for current students of Northampton College from all sites to see and experience the Bloodhound SSC project.

BLOODHOUND SSC®

ENGINEERING ADVENTURE



Imaging by curvencia

BLOODHOUND SSC modelled in NX

SIEMENS



In partnership with

Northamptonshire
Enterprise Partnership

COSWORTH

