Master Classes for Young Apprentices in Construction

The liaison officer for the Young Apprentices was Beth McCombie. The aims were to deliver master classes in inspirational maths with a link to the construction industry, raising awareness of the need for maths at higher levels and for certain job groups. The target group were 35 young apprentices in Y10 from 5 schools around St Austell, the majority from two Aimhigher target schools, Poltair and Penrice. An Aimhigher monitoring questionnaire indicated that out of 27 respondents, 24 had no family history of higher education. This involved a trip to the University of Plymouth to participate in a series of activities with the Faculty of Maths and Statistics.

The theme was "thinking mathematically" and consisted of 3 sets of activities all linked to construction. For many of the learners it was their first experience of visiting a university and it was interesting for them to be in the environment and to work with older students and the lecturers. From the university's point of view it was the first time they had hosted a group of young apprentices! Master class 2 This was a Construction Activity Day at St Austell. The apprentices worked in teams and took part in four activities:

- Surveying
- Setting Out
- Decorating
- Stairs and Angle

Master class 3. This was based on a group activity called Eco-homes Developer. This was an enterprise activity with the young apprentices working in groups to develop a plot of land in St Blazey and produce a plan for a new environmentally friendly housing development.

Formula 1 Challenge: Masterclasses in Engineering

Andy Phillips was the tutor involved in this project. The aims were to identify achievable higher level engineering progression routes through enhanced skills in engineering activity and develop teaching partnership approaches between schools and FE There were two target groups for this project – mixed ages from KS3, 4 and 5 from Liskeard and a group of students from mixed Aimhigher target schools. The project centred around a „Formula 1 Challenge – the challenge was for teams of students to use Prodesktop Cad Cam Design to work on the design of Formula 1 racing cars. On race day the cars would race off against each other with pairs of students controlling the acceleration on a huge race track set up within the school.