

STEM Event

On Tuesday 7th June the Smallpiece Trust Engineering@School team delivered a livestream session on The Aircraft Challenge. The challenge is to design and build a balsa wood glider that must travel as far as possible.

Task 1 (photos 2 and 3) – To make a straw glider with paper, allowing students the opportunity to think carefully about the positioning of each item on the glider.

At the end of the task students flew their paper gliders in an attempt to find the most aerodynamic glider concept.

Task 2 (photos 4 and 5) – Design, cut and glue the empennage (tail), remembering to balance the four physical forces (lift, weight, drag and thrust) acting on the glider (photos on the right)

Task 3 (photo 5).– Connect the propeller to the motor using wires to create a circuit.

Task 4 (photo 5)– Design, cut and glue the wings. Students needed to position the wings at the centre of gravity. Students were shown the technique for finding the centre of gravity. (photo on the right.). The group in photo 5 was selected for working most effectively as a team. The group in the last picture on the right below was selected as the team with the winning glider.

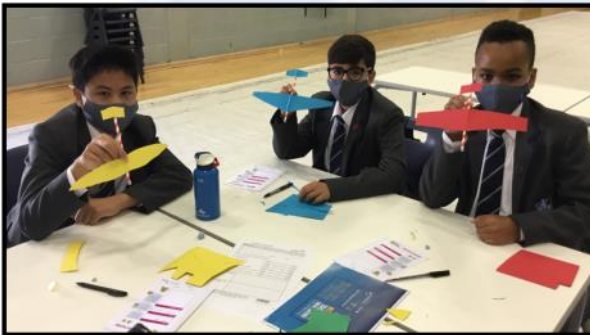
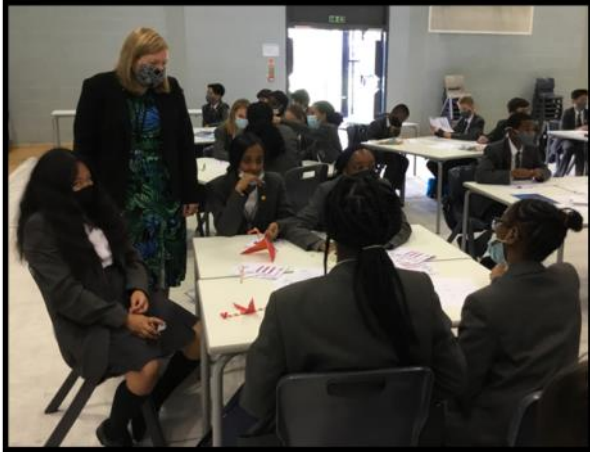


Photo 3

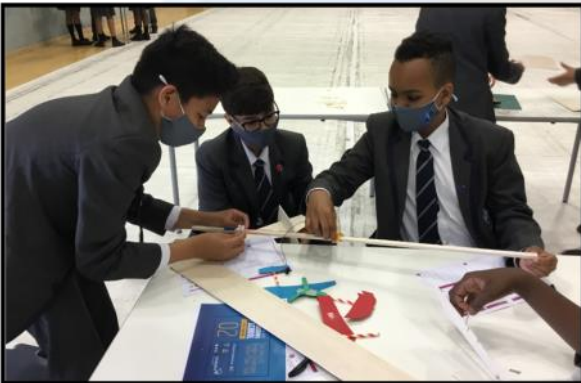


Photo 4



Photo 2



Photo 5

St Michael's would like to thank Matthew Campbell and the team at the Smallpiece Trust. This event included all the necessary elements to make it outstanding, educational, engaging and inspiring.

The Smallpiece Trust (www.smallpeicetrust.org.uk) run classroom events on all things engineering aimed at students aged 11-17.

Ms Roshier

Year 7 STEM Club



On Thursday 17th June our STEM Club members and other Year 7 students meet with Jane Hewitt Trustee of the LimbBo Foundation and Beverley Gromley (aka Bionic Bev) Ambassador for the Foundation. Jane spoke about the amazing work done by the Foundation to support children with a limb difference and their families. The Foundation



make and deliver 3D-printed (customised to a theme or colour choice) arms and bike adaptations, completely free of charge. These products have been described as “one of the best pieces of engineering and ingenuity ever seen”.

In contrast, Beverley Gromley’s arm is Bionic, costing almost £12,000. Beverley discussed the technology and engineering aspects of her bionic arm which weighs less than 1 kilogram, with the battery pack weighing the most. Beverley controls movement of her hand and fingers by small muscle movements in her upper arm.

Our STEM Club members would like to say a special thanks to Jane and Beverley for sharing their truly inspiring and thought provoking experiences. The following is the link to know more about the LimbBo Foundation: www.limbbofoundation.co.uk .

Year 7 Rewards

Year 7 students achieving the highest number of House Points for the Spring term were rewarded with a Pizza Lunch. Additionally, students chosen by their Form Tutor for outstanding contribution to their Form groups were rewarded with a Hot Chocolate Morning.



Year 7 Football House Competition

Well done Year 7s for participating in our Football House Competition. Our Year 7 girls exceeded our expectations.





CTEC Sports Exercise session plan.

During Monday's and Tuesday's sports lessons we carried out our exercise plans that we designed for our Unit 11 coursework. This is based on exercise for specific groups, for example: 'medical referrals, older people and young children'. The aim of us carrying out the sessions was to see if the exercises were appropriate for the specific referral groups they were designed for.



It was interesting to coach each other as we could get a feel of how teachers and professionals take exercise sessions and put our plans into practice. Throughout the lessons we carried out a range of technical exercises. Alongside this, Mrs Weatherley gave us a quick introduction to Pilates which was very interesting and different to normal exercises as they were slower and technical but were working on a range of specific muscle groups.

Emmanuel O, Year. 12 Sports student



Chaplain's Corner

Last week we celebrated the Holy Day of obligation for St Peter and St Paul on Tuesday 29th June.

Matthew 16:13-19

The Word of God

Now when Jesus came into the district of Caesarea Philippi, he asked his disciples, "Who do people say that the Son of Man is?" And they said, "Some say John the Baptist, but others Elijah, and still others Jeremiah or one of the prophets." He said to them, "But who do you say that I am?" Simon Peter answered, "You are the Messiah, the Son of the living God." And Jesus answered him, "Blessed are you, Simon son of Jonah! For flesh and blood has not revealed this to you, but my Father in heaven. And I tell you, you are Peter, and on this rock, I will build my church, and the gates of Hades will not prevail against it. I will give you the keys of the kingdom of heaven, and whatever you bind on earth will be bound in heaven, and whatever you loose on earth will be loosed in heaven."



Some thoughts on today's scripture

- Jesus asks me this question today "Who do you say that I am?" This question forces me to consider what I really believe. Who is Jesus for me? What do I believe about him? Why am I a Christian?
- I sit with Jesus and try to honestly answer each of these questions. I don't judge myself for my answers but talk to Jesus and listen to what he says to me.
- Did Jesus choose Peter for his strengths or for his weaknesses? Can I apply this question to myself?
- The Church is the assembly of the people of God. Talk to God about your relationship with the Church.

Prayer

O God, who on the Solemnity of the Apostles Peter and Paul, give us the noble and holy joy of this day, grant, we pray, that your Church may in all things follow the teaching of those through whom she received the beginnings of right religion. Through our Lord Jesus Christ, your Son, who lives and reigns with you in the unity of the Holy Spirit, one God, for ever and ever.

Source: Roman Missal,

Safeguarding

Important Notice from the Safeguarding Officer - there is a copy of our Safeguarding Policy on the College Website. A hard copy of this is available in the College Office.



Contacting the College - Direct parents access to college via email
contact@stmichaelscollege.org.uk For absence please phone: 0207 237 6432 EXTN. 708

