

## EEP Robotics Competition - Robot Design Winners

On Tuesday 6th February 2018, the Robotics Club travelled to Falkirk for their EEP Tomorrow's Engineers Robotics Competition regional heat. The robot (fondly referred to as The Beast) began its day with the Speed Challenge:



The Beast nailed it with a time of 2.05 seconds over 4 metres!

The team's next challenge was to present the design of their robot to a panel of judges. The team did so well! They explained how they chose the design of their robot and the decisions they'd made as the robot had evolved. They then presented a piece of research they'd done on prosthetic limbs. They spoke with confidence and presented an excellent piece of research. Even The Beast got a piece of the presentation as it proudly raised its own robotic arm.



Then it was back to the hall for the Beast to get a well-earned rest as the team moved onto the STEM challenge - there had been a murder! They analysed two samples to discover there was blood present:

They learned about using different chemicals to detect oxygenated fluids and what the next tests would be to determine if the samples were really blood or not.

And after the team's STEM challenge, it was time for the Beast to shine! It did what it was designed to do: it climbed a really steep ramp with absolute ease. We were one of barely a handful of teams across the whole UK who designed a robot that could climb the ramp at its highest setting. Well done, team!

The team's final challenge of the day was the Teamwork Challenge. They had to work together to build a project from

nothing but the picture of the final item and they only had 15 minutes in which to do it!



Not bad going for 15 minutes work!

The best surprise of the day was at the awards ceremony. We were delighted to discover that the team had won the Robot Design Award! Congratulations team!



We won a cup and a certificate, which will go on display in the school's Maker Space. The team did really well and should be proud of themselves.

And finally, here's the star of the show...

... **The Beast:**

