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Dear Families,

I am delighted to share the news of an exciting STEM project that our Year 4 children will be working on over the next 18 months, funded by The Royal Society! This project will challenge the children to design and create robots to help solve real-world biodiversity issues, with a particular focus on Pegwell Bay.

The children had a fantastic project launch today, where we welcomed an engineer from Cummins and experts from Bird Wise East Kent into school. They took part in engaging workshops and had their first experience using the LEGO Education kits that they will later use to build their own robots.

To start, the children will be taking termly trips to Pegwell Bay to observe and track bird populations. They will focus on a select group of birds, some of which are known as the "Daring Dozen" due to the incredible distances they migrate to reach our shores. Once they have gathered and analysed their data, they will investigate the challenges these birds face and explore how robots could be used to remove plastic waste from the beaches, helping to protect their habitats.

The project will culminate when the children are in Year 6 with a Science Fair, where you will have the opportunity to see the robots they have designed, built, and programmed in action. We believe this is a truly exciting opportunity, not only because it connects the children with their local environment and community but also because it gives them hands-on experience in designing, making, and programming robots. As ever, our aim is to empower children through education.

We will be documenting the journey on our social media, so please do follow along to see the children's progress! If you have any questions, please don't hesitate to get in touch.

Thank you for your support.

Best wishes,

Ms Isaac

Science Leader

Chilton Primary School

'One Childhood One Chance'

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