



CODING CLUB

EASTER HOLIDAY NEWSLETTER



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PARENTS: DID YOU KNOW THAT PROGRAMMING IS ONE OF THE FASTEST GROWING JOBS?

Ya Ali Madad,

Welcome to our Easter Holiday Newsletter, In this edition, we've highlighted a few instructive games to help your children build their programming skills during the Easter break.

Programming is becoming an essential skill and is now relevant in areas including traditional industries. In fact, whilst programming is typically associated with the technology industry, half of all programming jobs are in areas outside of this sector, such as finance, manufacturing and healthcare. Whatever the field that your child is drawn to, they will benefit from having coding experience.

Furthermore, it's been reported that 85% of the jobs that will exist in 2030 have not been invented yet due to the perpetual advancements in technology. Therefore, an understanding of coding will enable children to gain a deeper appreciation of how technology functions in the wider world and how it will be applied to future jobs.

Learning to code offers many benefits beyond technical skills. Your child will develop key skills such as communication, creativity, logic and problem-solving. Supporting your child in their coding journey will help them develop the capabilities to put them ahead in their future pursuits.

Should you wish to find out more about coding and how to support your child's education, please feel free to contact us at codingclub@iiuk.org.

The Coding Club team



EASTER HOLIDAY ACTIVITIES: EDUCATIONAL GAMES TO LEARN AND IMPROVE CODING SKILLS

STUDENTS AGES 5-8

CodeMonkey is a fun and educational game-based environment where kids learn to code without any prior experience. These games will teach the basics of coding and will elevate confidence levels.

Learn more with [CodeMonkey](#).

STUDENTS AGES 9-11

Code.org is an online platform that teaches principles of coding. Through game play, each session will build on coding skills.

Learn coding today with [Code.org](#).

If you have any questions about coding or any of these programmes, feel free to email codingclub@iiuk.org for help!

STUDENTS AGES 12+

For those students who attended AKEB's Python coding club in December, or for those who have basic Python experience, we recommend **Practice Python**. This website will enable you to choose a couple of activities from each difficulty level to try. Activities include rock paper scissors, guessing games, maths puzzles and much more.

If you don't have any Python experience but would still like to get involved, **CodeAcademy** offers a great introduction. We recommend it for students ages 12+, but we encourage anyone younger who is curious about coding to give it a go.

CodeAcademy offers the basics in Python and you are slowly introduced to more and more coding concepts.



RAMADAN 2021: REFLECTING ON LOVE, KINDNESS AND ETHICS WHILE WE CODE

On 13 April 2021, together with other Muslims, Ismailis around the world will celebrate Ramadan as a month of great happiness. The holy month of Ramadan provides us with the opportunity to reflect on our lives and work towards treating all those around us with love and kindness.

How can we use our coding skills ethically and for the good of humanity?

Our beloved Mawlana Hazar Imam guides us to live an ethical life; to be kind, caring, loving and generous to everyone and everything around us. He reminds us that:

“...I am struck by the close relationship which exists between intellect and the faith. During the glorious periods of Muslim history, Muslim thinkers, scientists and philosophers were beacons of light, sharing their knowledge freely with the non-Muslim world, indeed often leading it. I am convinced that the way for the Ummah to achieve its aspirations is through the development of first-rate institutions and professionals, steeped in the ethos of the faith, but applying their intellects and resources to help humanity to develop solutions to the very real problems facing it today...”

- Extract from a speech by Mawlana Hazar Imam at a dinner, Bishkek, Kyrgyz Republic, 30 May, 1995

In this month of Ramadan we have a wonderful opportunity to make a promise that we will live a good life in service of others like our Muslim thinkers contributed in the past and present. This is one of the best ways that we can live our faith every day and always keep a smile on the face of our beloved Imam.

During the month of Ramadan how can I use my skills of coding to help those around me? Can I bring a smile to the face of others I live with? Can I push myself to create a programme that will make the tasks of others easier?

Parents, you play a very important role in encouraging your children to take part in these activities and build their skillset so that one day they can contribute to society in even bigger ways. And for that, we would like to say Thank You!