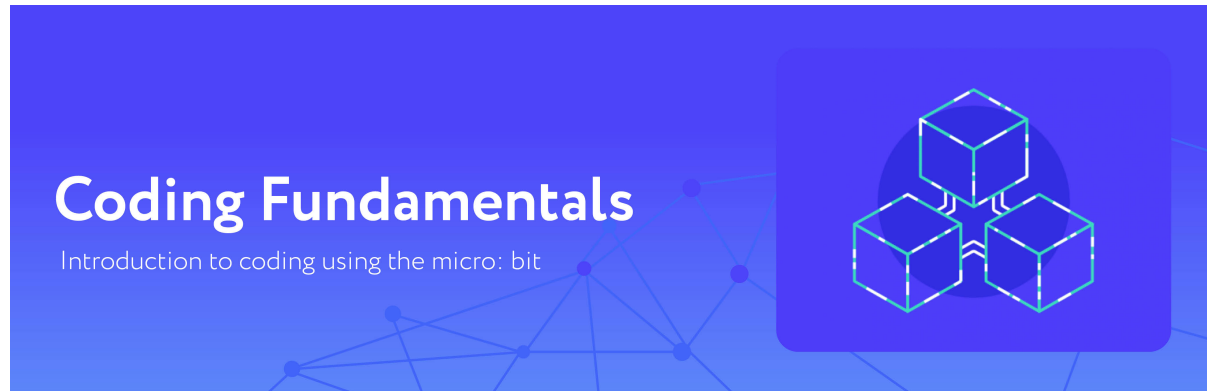# Coding Fundamentals

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[MakeCode Block](#)

[Python](#)

Content Description:

Coding Fundamentals introduces students to the foundational concepts of coding and cybersecurity through hands-on lessons. Depending on the student's grade level and experience, they learn the fundamentals of coding through Microsoft's MakeCode block-based language and/or through Python text-based programming. MakeCode block is recommended for grades 4-8 (beginners). Python is recommended for grades 8-12 (intermediate). This course is currently under development. New lessons may be added. Materials may be edited or reorganized as we receive feedback from teachers. This is a wonderful opportunity to use CYBER.ORG's materials and to help us make this content even better. If you have any feedback to offer about any

individual lessons or the course as a whole, please send an email to info@cyber.org. You can also ask questions about the materials or share your experiences using the "Discussions" feature located on the left side of this page.

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