

LEGO & CODING

Bede's LEGO & Coding Academy offers students an opportunity to combine creative building skills with the power of programming to design interactive and functional LEGO creations. LEGO & Coding is an exciting journey where creativity meets technology. In this Academy, students will build and program LEGO models, bringing them to life with coding. As they explore this dynamic combination, students will expand their language skills, mastering the terminology and language needed to create, code, and communicate in the world of LEGO and technology.

OBJECTIVES

- To use students' creativity and building skills to construct LEGO structures
- To develop a solid foundation in coding principles, learning how to use block-based or text-based coding languages to control and animate your LEGO creations
- To enhance your logical thinking and problem-solving abilities by devising coding solutions to bring your LEGO models to life, incorporating sensors and actuators
- To integrate STEM (Science, Technology, Engineering, and Mathematics) concepts into your projects, deepening your understanding of these crucial disciplines through hands-on experimentation
- To foster collaboration and communication skills by working in teams to solve coding challenges and construct LEGO structures, encouraging idea sharing and teamwork
- To expand your technical and coding vocabulary, enabling you to effectively communicate about LEGO and coding concepts, empowering you to share your knowledge and ideas within the field.



SUMMARY

CENTRE Windlesham (8–14 years)

HOURS 3 hours per week (2x 1½ hour sessions)

LEVELS Elementary, Intermediate and Advanced

FEE £245 per week

VENUE Classrooms on-site

DAYS Tuesday and Thursday

INSTRUCTION One instructor per 12 students

DATES Week 4: 21/07/2024

Minimum number of students is required for the Academy to run. If an Academy is cancelled a refund will be given.