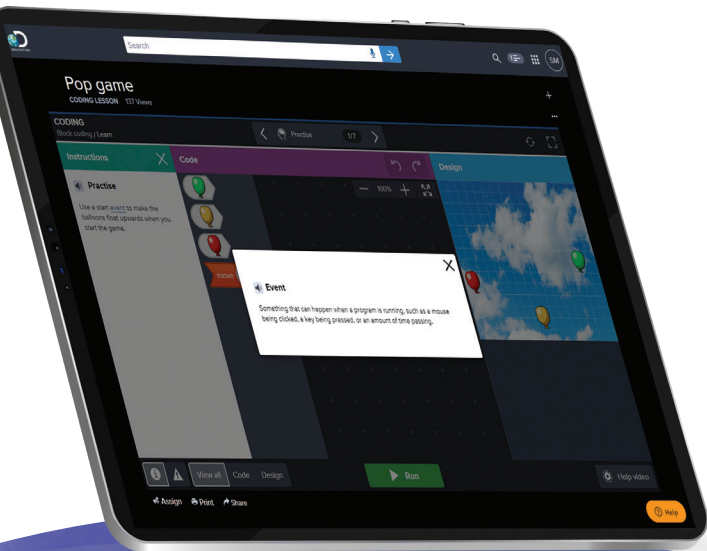# Take coding from concept to reality

Progressive coding instruction that develops computational thinking

Discovery Education Coding provides complete support for teaching coding in primary schools. Through teacher-led or self-guided lessons, pupils are introduced to coding using visual blocks, or block coding, enabling them to master key coding concepts without having to worry about the precise syntax. Once their confidence grows, they can extend their skills with our HTML and Python tutorials.

Pupils will gain a secure understanding of coding concepts like algorithms, sequences and variables as well as developing computational thinking skills through decomposition, logical reasoning and problem solving.
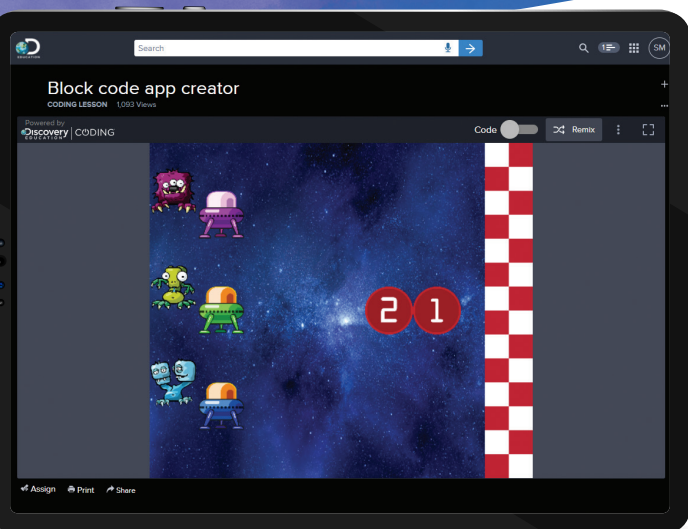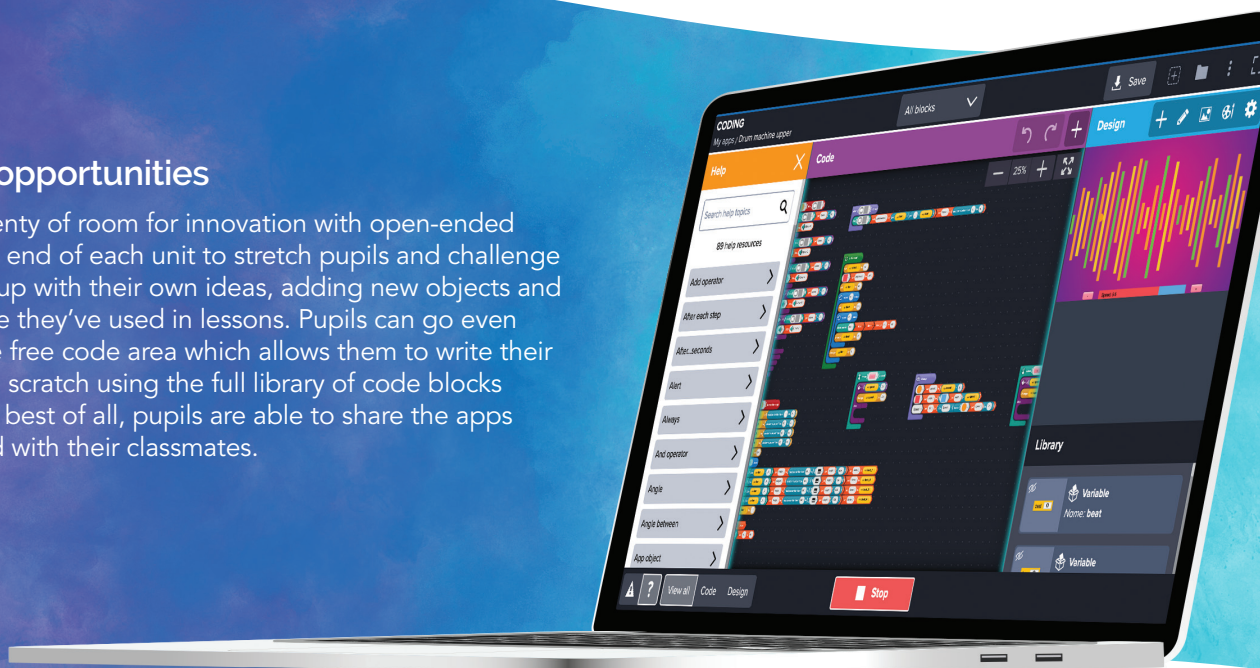
Embedded lesson supports

Explanatory videos help make complex concepts simple and provide visual illustrations and examples of what pupils need to achieve in each lesson. Example apps provide suggestions of where to get started and code validation helps pupils identify any mistakes they've made. Key vocabulary words and terms are also highlighted in the built-in glossary.

And, so all teachers can feel confident delivering Coding lessons, over 100 lesson plans provide everything you need including a quick overview, learning objectives, success criteria, vocabulary and key questions to ask pupils.

Free code opportunities

There's also plenty of room for innovation with open-ended activities at the end of each unit to stretch pupils and challenge them to come up with their own ideas, adding new objects and actions to those they've used in lessons. Pupils can go even further with the free code area which allows them to write their own code from scratch using the full library of code blocks available. And, best of all, pupils are able to share the apps they've created with their classmates.

Realistic programming challenges

The contexts used throughout are interesting and motivating for pupils with a tangible output at the end of each lesson. Whether pupils want to make a space rocket fly, Red Riding Hood walk through the forest or feed a hungry monster there is something to inspire every pupil. And if you are looking to further challenge students try our debugging lessons. They require pupils to think through and experiment with different solutions, building essential problem-solving skills.