CODEFLIX™ CURRICULUM: YEARS 7-8
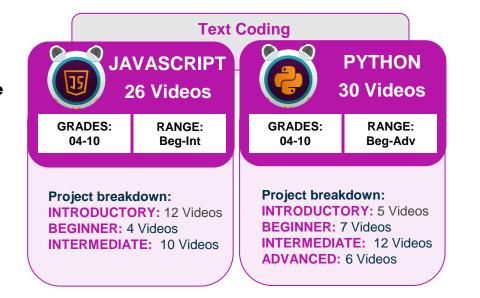
Digital Technologies Curriculum Alignment

Codeflix is designed to deliver the building blocks of coding for students throughout their primary and early secondary journey. Learning pathways can be tailored to class capability and existing knowledge levels. Learning to code is like learning another language – there is a learning curve, and it requires regular practice to embed learnings. Codeflix teaches core coding concepts through fun digital projects that increase in difficulty. Students build their confidence and capability by applying similar concepts through a wide range of coding languages and platforms.

YEARS 7-8 Curriculum:

A focus on the design and development of algorithms involving complex branching and iteration; students implement their code as visual programs including variables, using multiple digital systems which process and transmit data

ACT9TDI8P05
Students design algorithms with nested control structures and represent them using flowcharts and pseudocode

ACT9TDI8P06
Students trace algorithms to predict their output for given inputs and identify any errors

ACT9TDI8P09
Student Implement, modify and debug programs with control structures (eg loops and conditionals) and functions

Coding Languages and available projects for students in years 7-8

Text Coding

JAVASCRIPT 26 Videos	PYTHON 30 Videos
GRADES: 04-10 — **RANGE:** Beg-Int	**GRADES:** 04-10 — **RANGE:** Beg-Adv

Project breakdown:
INTRODUCTORY: 12 Videos
BEGINNER: 4 Videos
INTERMEDIATE: 10 Videos

Project breakdown:
INTRODUCTORY: 5 Videos
BEGINNER: 7 Videos
INTERMEDIATE: 12 Videos
ADVANCED: 6 Videos

Additional Lessons due for release in early 2025