CODE FOR ALL

SUSTAINABLE DEVELOPMENT **GOALS**

CODE FOR ALL

MILLENNIUM@EDU

sustainable education
Making a difference for 15 million students

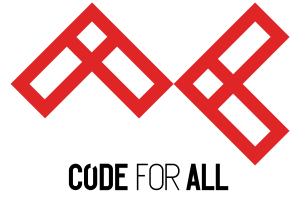SUSTAINABLE DEVELOPMENT GOALS

Code4Energy@EDU

Code For SDG´s – Goal 7
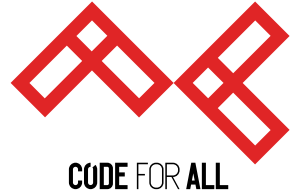
Ensure access to affordable, reliable, sustainable and modern energy for all

INTRODUCTION TO CODE SDG GOAL 7 CURRICULUM
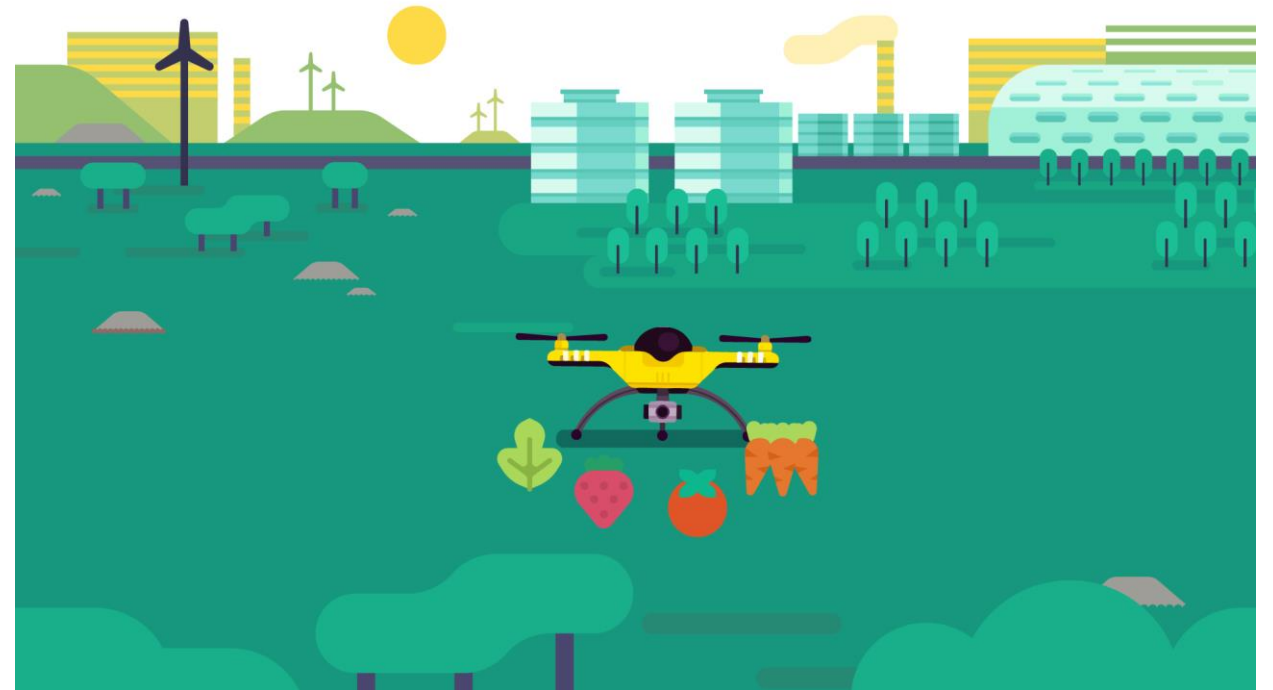
CODE FOR ALL

Personalized Learning Platform
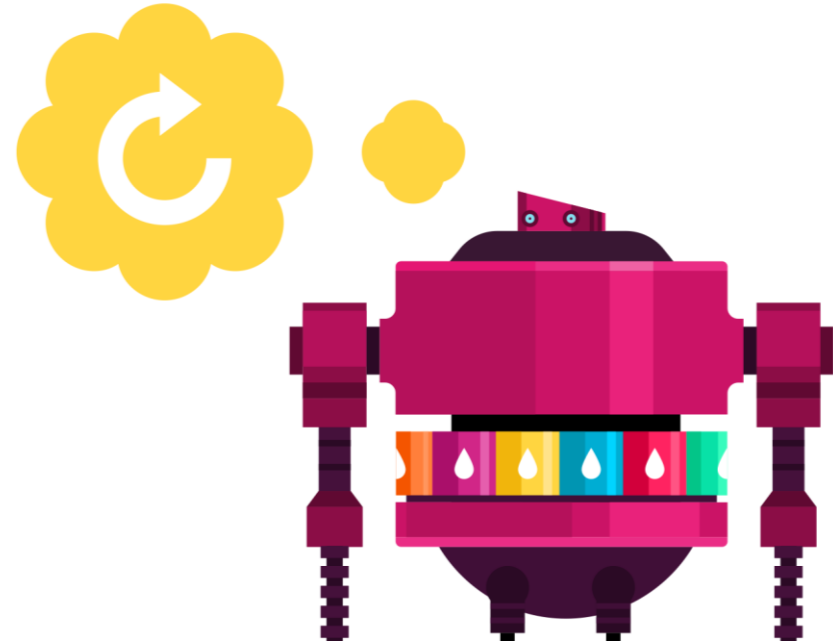
Computer Science Intro Curriculum

SDG Goal 7 Content

Accredited Training – Teacher Empowerment

Code For Energy

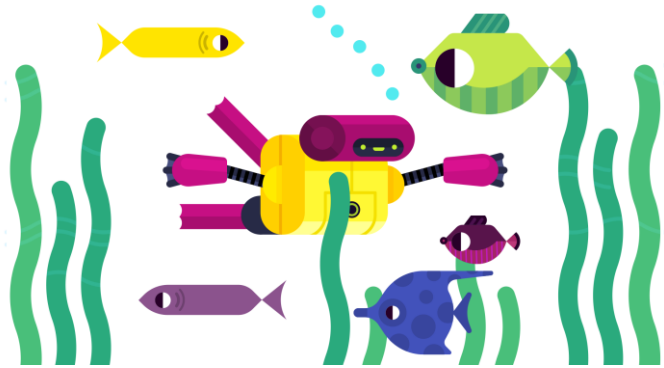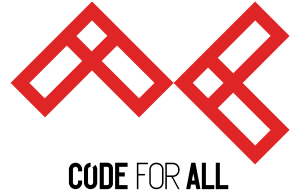## Computer Science Intro Curriculum
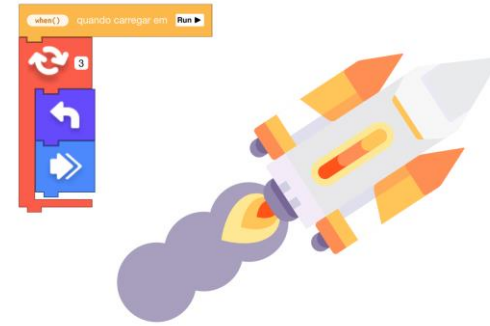
12 Lessons
One Hour Each

Energy Content

Energy production (Solar and Wind)
Energy conservation
Energy efficiency (Smart Grids)

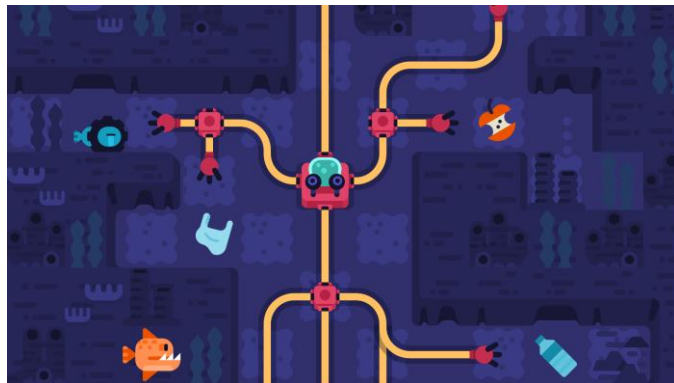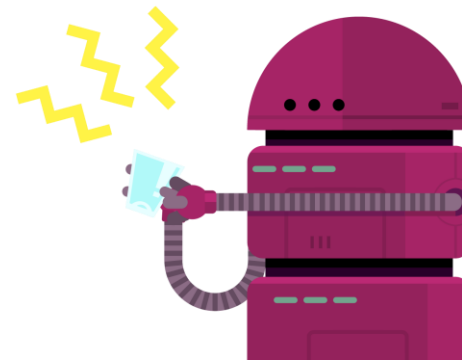# Student Personalized Learning Platform
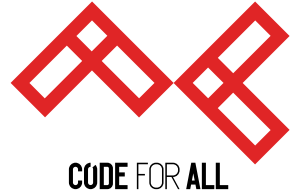

Coding Videos

Coding Sessions

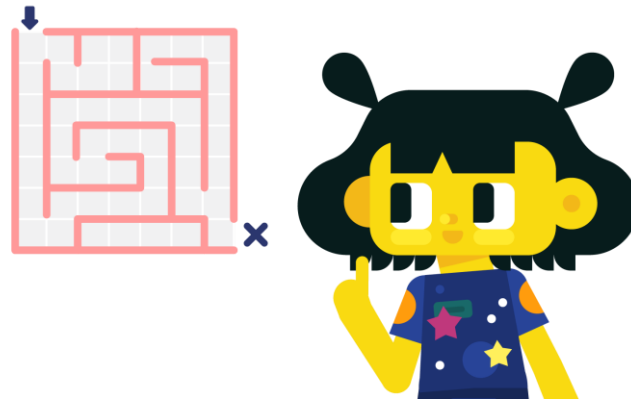**Coding Games**

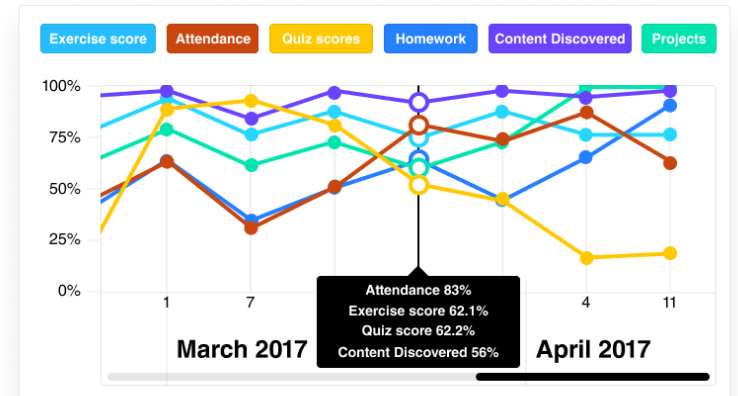**Coding Energy Projects**

Teachers Personalized Learning Platform
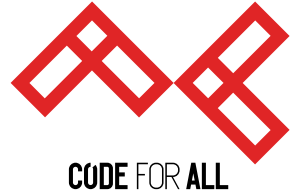

Accredited Training

Classroom Experience

Analytics
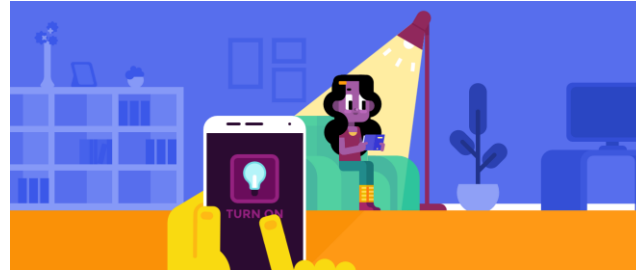
K6 Computer Science Curriculum

Code Lesson 1
What is a Computer
Energy Project
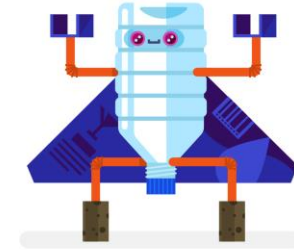Assemble an electric circuit Part 1

Code Lesson 2
Computers around us
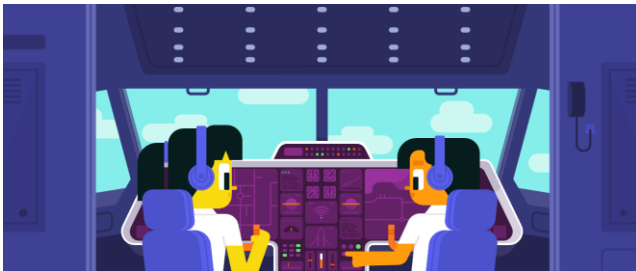**Energy Project**
Assemble an electric circuit Part 2

Code Lesson 3
Design your robot
Energy Project
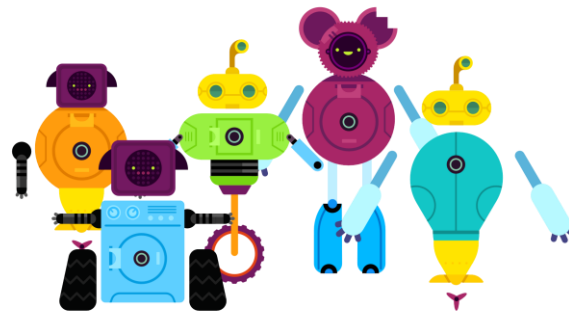Fly a Helicopter with solar energy Part 1

Code Lesson 4
Build your robot
Energy Project
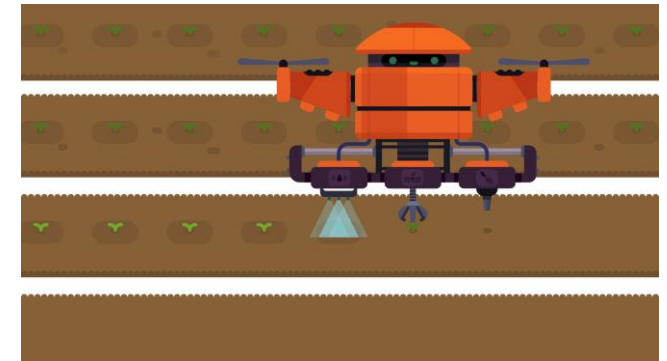Fly a Helicopter with solar energy Part 2

Code Lesson 5
A world of robots
Energy Project
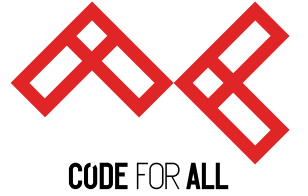Rainwater reuse with the help of sensors Part 1

Code Lesson 6
Algorithms
Energy Project
Rainwater reuse with the help of sensors Part 2

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K6 Computer Science Curriculum

Code Lesson 7
Driving with sequences
Energy Project
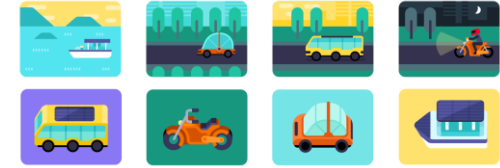Flying car that regenerates the charge with sunlight Part 1

Code Lesson 8
Driving with conditions
Energy Project
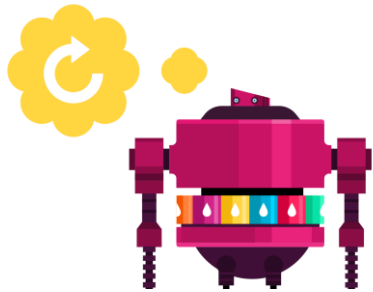Flying car that regenerates the charge with sunlight Part 2

Code Lesson 9
The most difficult sequences
Energy Project
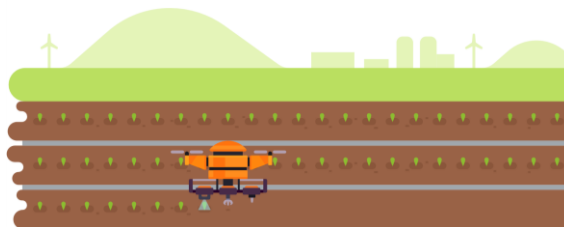Energy Cycle Solar and wind energy Part 1

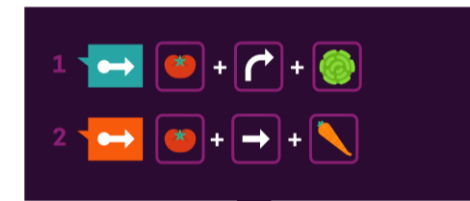**Code Lesson 10**
Bugs
Energy Project
Energy Cycle Solar and wind energy

Code Lesson 11
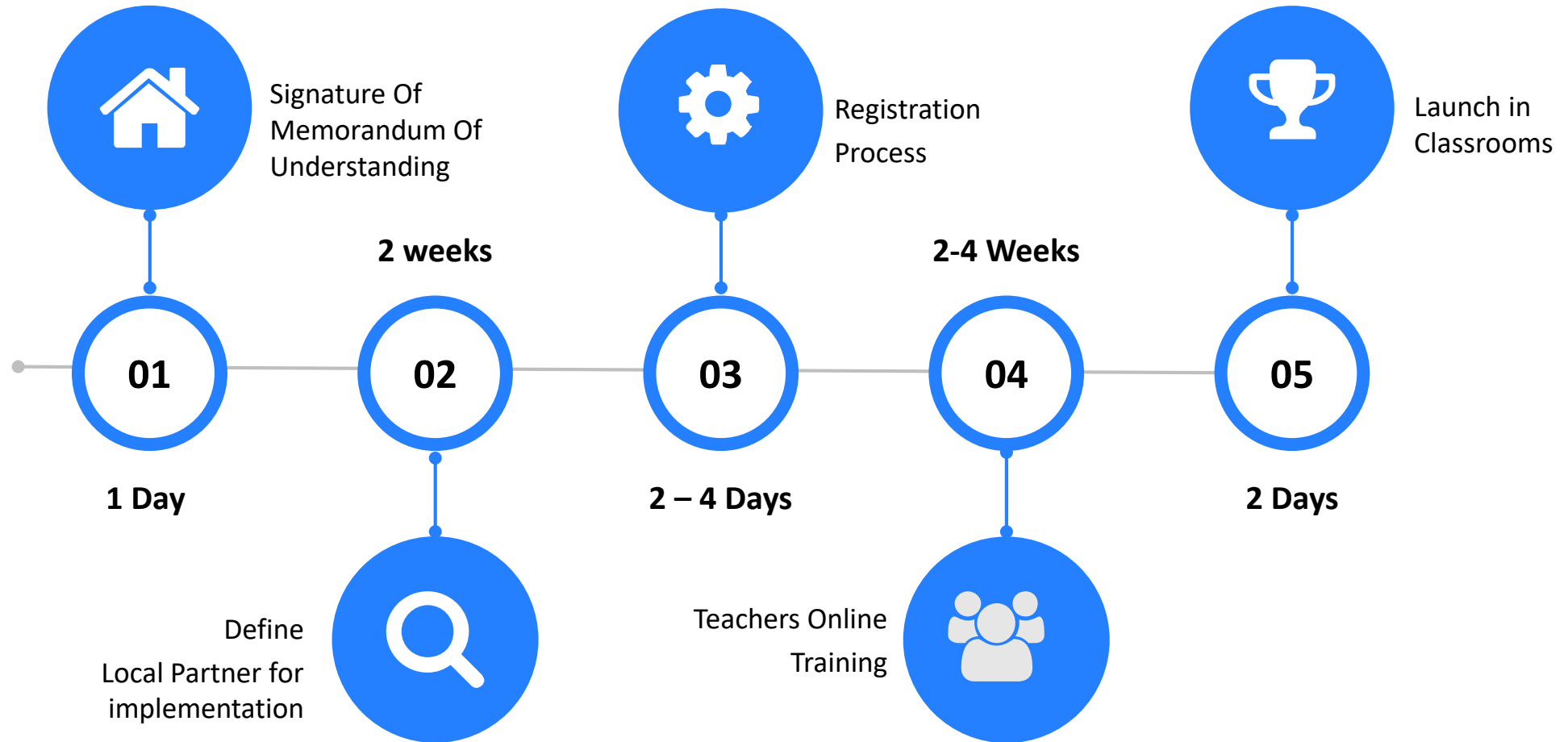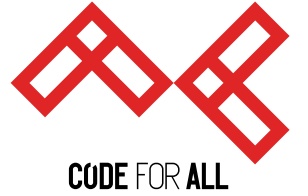Programming is like a game
Energy Project
Smart Farm

Code Lesson 12
The farmer drone
Energy Project
Smart Farm

Implementation Process

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01
Signature Of Memorandum Of Understanding

1 Day

02
2 weeks

Define Local Partner for implementation

03
Registration Process

2 – 4 Days

04
2-4 Weeks

Teachers Online Training

05
Launch in Classrooms

2 Days

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