API CAN CODE: SITUATING COMPUTATIONAL LEARNING OPPORTUNITIES IN THE DIGITAL LIVES OF STUDENTS

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INTRODUCTION

Understanding the role of data in our lives and having the knowledge and skills to use that data effectively is **essential for all students to be informed citizens** and to **succeed in an increasingly digital world**.

PROJECT GOALS

API CAN CODE will **introduce high-school students to the computational foundations of data science** by having them **explore meaningful and authentic data that align with their interests**.

OUR APPROACH

API CAN CODE will **design and study a curricular unit** that introduces learners to the powerful ideas of computing **by having students pose questions** based on their interests **and answer them by writing programs** to query and analyze data from **publicly available datasets**.

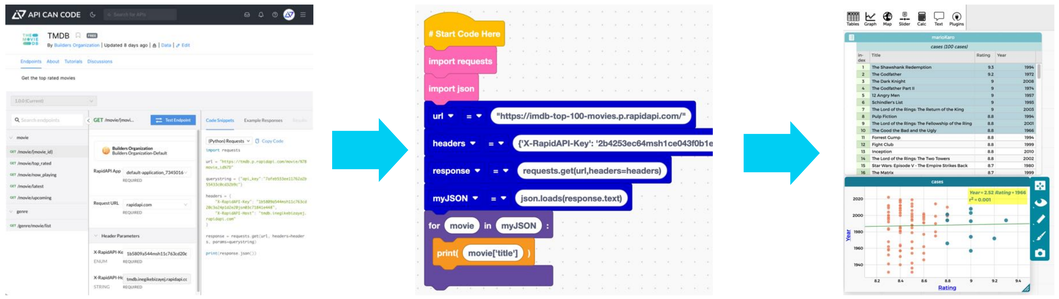
In working through the curricular unit, students will:

1. Learn about **the data they create and consume every day**
2. Develop **foundational computational skills for data science**
3. Be introduced to **basic data science practices**

These goals are aligned with three emerging technologies:

Data in Learners Lives → **Computational Foundations** → **Data Science Practices**

Rapid | edublocks | CODAP



PARTNERS

API CAN CODE is a **research-practice partnership** between the University of Maryland and the District of Columbia Public Schools.

Washington Leadership Academy | District of Columbia Public Schools

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