 **CAS COLOMBO AMERICAN SCHOOL**“Educating Transformative Leaders”

**STEM 2020**

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| SUBJECT: | **STEM** | LEVEL**:** | **7th** | TERM**:** | **I** |

COURSE:

**TEAM MEMBERS**:

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| **PROBLEM** | According to the challenge chosen by the group, make the electronic circuit, explain real application of that circuit and explain math concepts applied into it. |
| **GOAL** | To make an electronic circuit using Arduino and components.. |
| **TOPICS** | Programming  IF-ELSE  VARIABLES  Physics  Math |
| **INSTRUCTIONS:**  Join a team, choose the role and start the process of the scratch program.  Ask, imagine and plan.  Create, test and improve. | |

**Roles**

|  |  |
| --- | --- |
| Name: | Name: |
| Name | Name: |

**Scratch Program Photosynthesis**

## 

**Reflect and Share**

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| After testing your design, it is important to reflect on  whether or not your design worked.  What would you change with your design and why? | Compare your design to a partner’s. How is your design the same, and how is it different? |

**Script for the video**

Take into account

* Explain what is the challenge about.
* Explain the problem you want to solve with that invention. How it can help people in real life situations?
* Show the process.
* Explain the math application according to the invention.

Write your script, check grammar and be creative!!!