



## SEK ECUADOR INTERNATIONAL SCHOOL

### DIGITAL VIDEO IN THIRD DIMENSION

**THEME:**

"BUILD A ROBOT"

**ORGANIZER:**

- Computer Science.
- Responsible: Alexandra Monge (alexandra.monge@sekquito.com) and Robert Procel (roberto.procel@sekquito.com)

**MODALITY:**

- On Campus and Group work (with a maximum of 3 participants per delegation)

**PARTICIPANTS:**

- One category.
- All enrolled student.

**OBJECTIVES:**

- Develop a prototype with existing parts and others printed in 3D.
- Video filming the process.
- The creation of the prototype robot must meet a target of action.
- Present creative prototypes.
- Work as a team to achieve the goals.

**TECHNIQUE:**

- Photos will be taken according to the proposed theme.
- Delegations should download photos to the computer using their own interfaces.

**FORMAT:**

- Use the 3D printer to print the pieces to complete the prototype.

**MATERIAL:**

- Autodesk 123D Catch Program, free software for Windows or the equivalent in ipads, pre-installed in computers of the school.
- The school will provide computers, laptops, ipads and 3D printer if necessary. The delegations may use their own mobile phones for taking photographs.
- Each delegation should bring their mobile phones and accessories.

**WORK METHOD:**

- The delegations will take the necessary photographs of the object that will be printed in 3D for the 3D video.
- The object will be modified at the discretion of the delegations.
- Delegations should prepare their final prototype in the assigned room.
- They must present their work on a big screen.
- The video will be posted on the YouTube channel of the school to vote.



**REGULATION:**

- It will not be allowed any violent content, offensive or affecting the ideals of the contest.
- The 3D video can last up to 2 minutes.
- Each delegation will have four hours for this contest.

**EVALUATION CRITERIA:**

- Every item is evaluated in a scale from 1 to 4

Team	Score
3D realism	
Creativity is observed	
The prototype meets the proposed objective	
Appearance	
Quality 3D object	
<b>SUBTOTAL</b>	
Votes obtained by social networks	
<b>SUBTOTAL</b>	
<b>TOTAL</b>	

The delegation with the highest score wins.