

## TIME LINE

**January 20<sup>th</sup>, 2021** - **Registration deadline** for the 2021 tournament. Each team will be informed of the name and contact details of her assigned Weizmann physics counsellor.

**January 25<sup>th</sup>, 2021** – the teams are required to submit their safe concepts to local mentor/teacher, discuss the ideas, build a prototype and work on the development of the safe. The process should include **regular discussions, presentations of videos** demonstrating the progress and functionality of the safe.

### **Required feedback and approvals from Weizmann Counselors:**

1. **Prior** to approval of the **safe ideas**, mentors are required to discuss the concepts with their Weizmann consultant and receive the approval of the ideas.
2. While developing the safe- mentors are required to discuss **safety issues** as well as the **physics riddles** (up to 2 riddles only), with Weizmann consultant.
3. Final approval of the **built safe** – mentors are required to submit a video demonstrating the functional safe of their team, safe description and cracking instructions.

**March 15<sup>th</sup> February 15<sup>th</sup>, 2021** – **Final Deadline for approval of the safe - Local teachers / Mentors and Weizmann counsellor**: update and discuss the progress of the teams, including videos, photos and documents. Receive approval of the Weizmann's counsellor.

**April 15<sup>th</sup> March 1<sup>st</sup>, 2021** – **Final Deadline for submission - Local teachers / Mentors and Weizmann counsellor**: in order to receive the final approval of the safes, the following steps are required:

A. Preparing a safe description - for the **judges** and the tournament **website**:

Up to 2 pages, readable and clear.

- Presenting the team: members' names, school, grade, city and country.
- Presenting the safe:
  1. A Sketch of the safe
  2. A Photo of the final safe.

3. A brief presentation of the physics principles applied in the safe, (use students' own words not a copy from Wikipedia or textbooks).
4. An interesting and creative presentation of the idea behind the riddles, explaining how to solve the riddles.

B. Preparing a short video - for the **judges** and for the **video competition** (The public's **most favorite safe** – opened to the general public on Davidson's YouTube channel, without scores). Each team will email a short video.

The criteria:

1. Up to 2 min long
2. Wide shot, well-lighted location, clean and noise free background, avoid shaky footage.
3. Video should be clean of any watermarks.
4. Presentation of the safe while avoiding the appearance of students' faces.
5. Explanation and demonstration of the safe's story riddles and fluency of operation.
6. Presentation of the physics principles to non-physics literates.

C. Preparing a safe portfolio - description and instruction - for the **burglars** (the crackers):

1. A clear presentation with photos of the safe from all angles, outside and inside. To be shared via the zoom chat.
2. A video of each stage of the riddle, clearly demonstrating the outcome to enable clear visualization of the step (to be shared if needed after the step was solved).
3. Clear instructions, all actions that can and cannot be done during the break-in, without revealing the break-in methods themselves.

**May 23-28<sup>th</sup> - March 16<sup>th</sup>-18<sup>th</sup>, 2021** - The 2021 Virtual International physics tournament.