



# EU CODE WEEK

Keith Aquilina

# 2019-2020 *pre Covid*

- Coding Workshops for Educators & Students
- Coding Initiatives
- Support



**PLAYCON**  
DELTA SUMMIT EDITION

**EU Code Week Games Edition**  
3 - 4 October at MFCC

Various workshops for children

CodeWeek.



BLOG.CODEWEEK.EU

**A look back on the Code Week 2019 Student Meet:  
developing projects to protect the environment in Malta**



# 2019-2020 – School Closure Period

Challenges, Opportunities



COMPUTING

Directorate for Learning and Assessment Programmes, MCEP

## Prepping for CodeWeek 2020

### Credit Card Check Digit

When buying goods online you are asked to input your credit card number. To verify the validity of the card, the last digit of the credit card number, the check digit, is used. The check digit is generated according to the algorithm below:

**Step 1:**

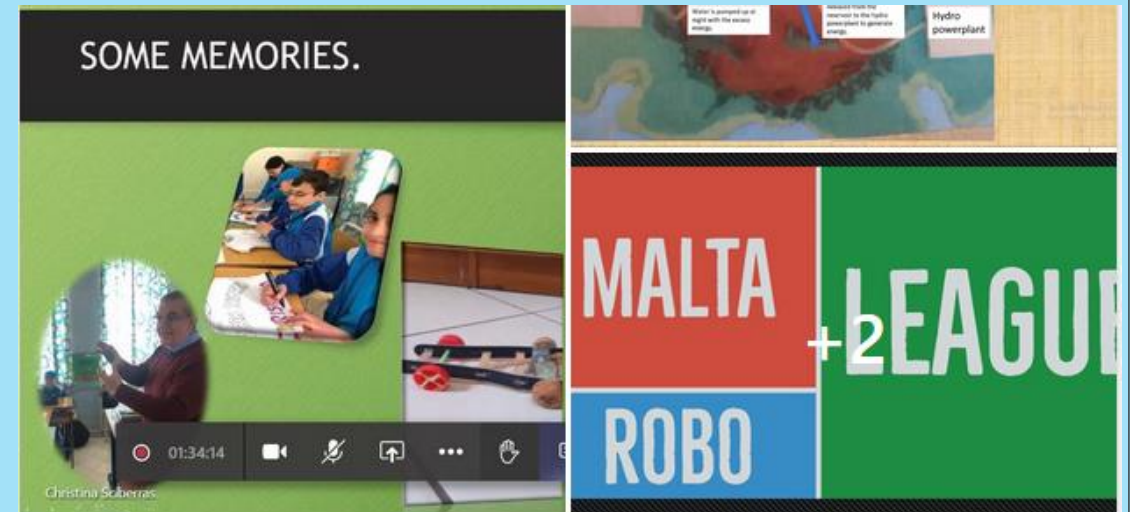
- The odd-position numbers from the right (check digit excluded) are multiplied by 2. If the result is a 2-digit number, the 2 digits are added together.
- Find the total of the results obtained in the previous step.

**Step 2:** Add the even-position numbers together.

**Step 3:** Find the total of the results obtained in Step 1 and Step 2.

**Step 4:** The check digit is the number that has to be added to the total to become a multiple of 10.

For example, the last digit 4 is the check digit of credit card number: 5213456741896324



**Malta Robo League** is 😊 feeling motivated.

25 June · 🌐

Big well done to all the teams! Yesterday we concluded this year's Malta Robo League edition through an inspiring online session. Students and Mentor presented creative solutions to their identified problem with lots of research done through outings and visits by experts. It is such a pity that we did not manage to hold the MRL expo, yet we look forward to next year's edition!!

# Our plans for 2020-2021

- Educator seminar 20.10.20
- Family Coding Online
- Coding Resources in Maltese
- MRO
- Online events
  - Coding Competition
  - Malta Robo League 21



# One Key Element: Collaboration

