



Bebras Computational Thinking Challenge

Bebras Challenge 2nd-13th November 2020

Coordinator Handbook

The challenge is to be held between 2nd and 13th November 2020. Choose the day and time that suits your student's best. If you don't have enough computers available in your school, you can always do the challenge on multiple days. If you do so, try to limit the interaction between students who have completed the challenge already and those who still have to complete it.

Practice

A practice test with a variety of questions at all levels is available at:

https://bebraschallenge.techweek.ie/index.php?action=user_competitions

Registering your students

1. Click the Create Skeleton Users tab.

(Organizers and testers)

Name (Organizers and testers)

Address 1

Address 2

Zip code

City

State North Dakota

Students

Edit Create Skeleton Users Download Certificates

Students

Coordinators

Import files

Export files

Instructions

Statistics

Name

Username

Class

2. In the pop-up dialog box enter the following:

Username Prefix – this is the word the usernames are based on e.g. if you enter 'boat' usernames will likely be 'boat00', 'boat01', 'boat02' etc.

Number of user to create – the total number of students taking the challenge

Grade – the level of challenge set for students. Leave this blank so that students can access both junior and senior challenges as appropriate.

When finished, click the **Create** button.

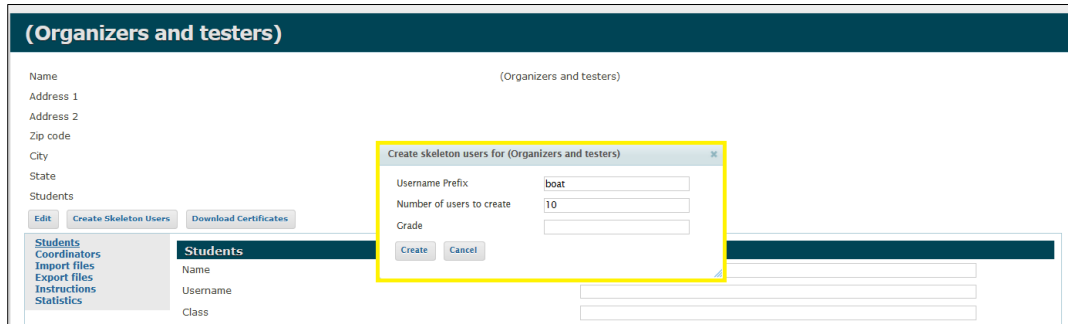




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3. Scroll to the bottom of the page.

Click on **Export to Excel** to the far right of the Students file.

brbt01	test	0	unknown	Gillian Test	Not participated	Delete
brbt02	test	0	unknown	Gillian Test	Not participated	Delete
brbt03	test	0	unknown	Gillian Test	Not participated	Delete
brbt04	test	0	unknown	Gillian Test	Not participated	Delete
brbt05	test	0	unknown	Gillian Test	Not participated	Delete

[Export to CSV](#) [Export to Excel](#)

4. This will download an Excel spreadsheet of usernames and passwords than can be distributed to students participating in the challenge.

	A	B	C	D	E	F	G	H
1	Firstname	Lastname	Class	Username	Password	Gender	Grade	
2				test01000009	logratiVESTI	unknown	0	
3				test02000040	logratiVESTI	unknown	8	
4								
5								
6								
7								
8								
9								
10								



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Before the Challenge

- Register for Skeleton Users as per above instructions.
- Arrange for the challenge to be held during the two weeks of the challenge. Each participating student will need access to a web browser connected to the internet, the challenge must be run in the school. It is best to run the challenge on one day during the two weeks of the challenge. If your school has large enrolment and/or limited lab space, you can run it on multiple days. If you decide to do so, please try to limit the interaction between students who have completed the challenge already and those who still have to complete it.
- Students are permitted to use pencil, paper and a calculator during the challenge.

Day of the Challenge

- Distribute the usernames and passwords.
- Explain the format of the challenge and that there are 15 multiple-choice questions. The challenge is available on the [website](#), note there is some negative marking as the questions get more difficult.
- Instruct students to visit <https://bebraschallenge.techweek.ie/> and click on the **Login** text in the top right hand corner of screen.
- After logging in, with username and passwords generated above, the students will be required to enter some basic details i.e. Firstname, Surname and **Save**. These details are required for the certificates.
- Once logged in the student should choose the challenge category which matches their age and click on the first question to start e.g. Junior (age 12-14).
- Make sure that students work individually and have their own computer.
- Supervise the challenge. The system will give each student exactly 45 minutes to answer the 15 questions, this will be visible to the students in the top right hand corner of the screen.
- All participants can use pencil, paper and a calculator. If you are holding the challenge on multiple days, please make sure none of the papers or notes leave the room.





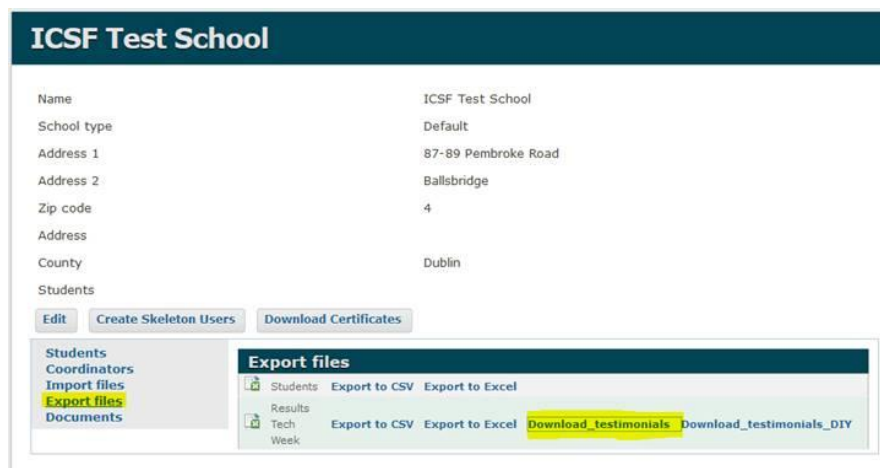
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After the Challenge

- Results will be available to you by logging in to the challenge website approximately one week after the challenge has closed. We will email you when this functionality is live. You can do so by following below steps
 - Go to: <https://bebraschallenge.techweek.ie/admin/>
 - Login with your administrator username and password
 - Click **Export files** on the bottom left
 - TO EXPORT RESULTS
 - In the **Export Files** window, beside '**Results Bebras Challenge 2020**', click **Export to Excel**
 - Marks per question are shown in a spreadsheet along with the total score for each participant
 - TO PRINT CERTIFICATES
 - In the **Export files** window, beside '**Results Bebras Challenge 2020**', click **Download_testimonials**
 - An Adobe PDF file containing the certificates will be downloaded and can be printed



- After the challenge has been completed students will still be able to log in, but the mode on the website will be different. From now on students can try to answer the questions in a review mode so they will know what they did wrong.
You can use the system this way in class, for the rest of the year.
- Solutions will be available online. They will include Connections to Computer Science outlining how the problems are related to computer science and its applications.
- Top performing students and their families will be invited to Maynooth University for a celebration and final round, during Tech Week 2021.

