



Bebras Computational Thinking Challenge

Bebras Challenge 6th-17th November 2017

Coordinator Handbook

The challenge is to be held between 6th and 17th November 2017. 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:

http://ie.beverwedstrijd.nl/index.php?action=user_competitions

Registering your students

1. Click the Create Skeleton Users tab.

The screenshot shows the 'Organizers and testers' page. The page has a dark blue header with the title '(Organizers and testers)'. Below the header, there are fields for Name, Address 1, Address 2, Zip code, City, State (set to North Dakota), and Students. Below these fields are two buttons: 'Edit' and 'Create Skeleton Users' (highlighted in yellow), and 'Download Certificates'. On the left side, there is a sidebar with a menu: 'Students' (highlighted), 'Coordinators', 'Import files', 'Export files', 'Instructions', and 'Statistics'. Below the sidebar, there are three input fields for 'Name', 'Username', and '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.

The screenshot shows the 'Organizers and testers' page with a pop-up dialog box titled 'Create skeleton users for (Organizers and testers)'. The dialog box has three input fields: 'Username Prefix' (with 'boat' entered), 'Number of users to create' (with '10' entered), and 'Grade' (which is empty). Below the input fields are two buttons: 'Create' and 'Cancel'. The dialog box is highlighted in yellow.



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3. Go to Export Files.

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

The screenshot shows the 'Export files' section of the Bebras web interface. The 'Students' file is selected, and the 'Export_XLS' button is highlighted in yellow. The interface also shows a sidebar with navigation options like 'Students', 'Coordinators', 'Import files', 'Export files', 'Instructions', and 'Statistics'. The main content area displays the file name 'Students' and the 'Export_XLS' button.

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

The screenshot shows an Excel spreadsheet with the following data:

	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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5. Enter the names of the students beside each username and password.

Distribute logins to students.

6. Students will login and start the challenge by visiting <http://ie.beverwedstrijd.nl/> where they will be prompted by the system to register their First and Last name and date of birth. Class and gender are optional.

Please Note: Students will not receive results at the end of the challenge. Results will be sent to you 2-3 days after the challenge is over i.e. 22nd November.



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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. 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 graded out of a total of 90 marks: 5 questions in Part A worth 8 points each, 5 questions in Part B worth 6 points each, and 5 questions in Part C worth 4 points each.
- Instruct students to visit <http://ie.beverwedstrijd.nl/> 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: <http://ie.beverwedstrijd.nl/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 2017**', 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 2017**', click **Download_testimonials**
 - An Adobe PDF file containing the certificates will be downloaded and can be printed

ICSF Test School

Name	ICSF Test School
School type	Default
Address 1	87-89 Pembroke Road
Address 2	Ballsbridge
Zip code	4
Address	
County	Dublin
Students	

[Edit](#) [Create Skeleton Users](#) [Download Certificates](#)

Export files

Students	Export to CSV	Export to Excel		
Results			Download_testimonials	Download_testimonials_DIY
Tech	Export to CSV	Export to Excel		
Week				

- 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.
- In April top performing students and their families will be invited to Maynooth University for a celebration and final round.

