



Play & Learn Weekly Activities : From Feb.14 – Apr. 22

Weekly Quizzes

Reminder: For the weekly quizzes, all prizes are based on participation. We will track participation using a participation form that will change each week. Once per quiz, the host will give a secret password. After the quiz, the educator or the youth can fill out the form using the secret password to enter the participation draw by the given deadline. The deadline will be set to account for sufficient time for youth to watch the quiz live or the recordings. It is not necessary for a student to have answered questions correctly or at all during the live quiz in order to fill out the participation form.

Option 1: Participating in class (live or recording)

- Educators can log into the Zoom webinar live (or access the recording) and project it on the board in front of the class.
- Students can be seated in small teams or at their individual desks.
- Students answer questions holding up their hands or "multiple choice" cards that they can make ahead of time and write their individual answer in their workbook.
- Educators will look at the raised hands or cards and enter the majority choice in the Zoom poll on the classroom computer (only during live quizzes).
- After the quiz, the educator fills out the Educator Participation Form to record participation for all their students. The link for the form will be sent out each Friday in the weekly email.

Option: If there are enough devices for each student or each team to have their own device, each student or team can also log in using the link they received by the educator. In this case, each team or student will be able to submit their own individual or small team answer (only during live quizzes). We recommend that only one device per class have sound enabled or that students use headsets. After the quiz, students can either fill in their own participation form or the educator can do it for them.



Option 2: Participating at home

- Each student logs into Zoom using the link shared by the educator (live or recorded).
Option: students may consult with teammates on a separate platform of their choice (Messenger, Facetime, phone, etc.), either by chatting or even screen sharing. Note that these arrangements must be made by the students – the Zoom call set up by Let's Talk Science doesn't have communication between teammates built into it.
- Students submit their own answers on their devices.
- After the quiz, students record their participation using the secret password through the Student Participation Form that will be sent out to the educator through the weekly email each Friday.

Design & Build Challenges

All options for the Design and Build Challenges can work either for a classroom setting or at home.

Please note that the material list (available on [the Let's Talk Science Challenge 2022 Wakelet page](#)) is only a suggestion. Students can always use their creativity to build their prototypes. Also students can stop their Design and Build process at the first stage, there is no need to complete the activity. If you're not familiar with the Design and Build process, we encourage you to read [this article on our website](#).

Reminder: For the weekly Design and Build Challenges, all prizes are based on participation. Participation is based on video submissions. It doesn't matter if they completed the challenge or not. Furthermore, we won't judge the quality of submission. Students can add their information (name and email address) with their video to be added on our participation list. Note that name and email address will only be visible by the Let's Talk Science Challenge Team and not by any other participants. If students don't want to include their information or they forgot, we will use the educator information we have to do the draw.

Option 1: Participating in small teams

Divide your class in small groups of maximum 4 students. The team works together to design and build their solution. Once completed, each team records itself presenting their invention and submits the video on Flipgrid.



Tips to adapt the program

Alternative: In cases where students are not able to share materials, challenge them to come up with a collaborative design on paper or virtually, this can include drawing up "engineering plans". Once the plan is drawn up, assign a "technician" on the team who is in charge of assembling the design, testing it out, and reporting back to the group. Troubleshoot as a group and decide on improvements together. Once the design is finalized, assign a "publicist" and an "actor" to record the video and upload it to Flipgrid.

Option 2 : Participating individually

Each student works individually to create their own solution. Each student records and submits a video to Flipgrid.

Final Culminating Events: From Apr. 15 – June 6

Final Question and Answer Competition

During the final event, more emphasis is placed on answers. Youth need to participate live and one youth per team (or each youth, if team participation is not possible) will need a device (computer, tablet or phone). If the students are not physically together, they will need to use another platform to communicate together during the quiz. Other aspects of the final event can be handled similarly to the weekly events.

Engineering Challenge and Lorna Collins Spirit Award

Same process as presented during the weekly Design and Build Challenges. The only difference is that entries will be judged instead of being rewarded only based on participation.

You will receive more information about the Final Culminating Events in April 2022.



Educator FAQ

We listed the most frequently asked questions we received by email from educators in the past. We hope that having the information here might help others that are wondering the same thing. Don't hesitate to contact us at challenge@outreach.letstalkscience.ca if you have any other questions.

My students are at home on their own device. How can I verify that they are attending the quizzes and doing the work?

We provide a score sheet that students can complete with their answers and self-reflection. You may ask your students to hand in a copy of the score sheet each week. Alternatively, you may validate your students' participation by asking them to repeat the secret password that we use to track participation. For the Design and Build Challenges, you can ask your students to send you a copy of their video.

Platform issues

Note that we are doing our best to accommodate schools and educators who have issues with our platforms. If you have any issues that cannot be resolved by the following please contact us.

Can't use the Zoom application : All activities will be available to watch in the browser-based version of Zoom (available on-demand). Note that some Zoom functions may not be available in the browser-based version, however, these only add to the interactive component. You can still participate and be eligible for participation prizes.

If it isn't possible for you to use Zoom even in the browser-based version, you can request a YouTube link to enable you to tune in to the live activities. If you can't attend live, we will provide an asynchronous version of the quizzes on the Friday each week. The recording does not need to be accessed through Zoom.

Can't use Flipgrid : We are currently working on another system for schools that might not be able to use Flipgrid. Please contact us if this is your case.