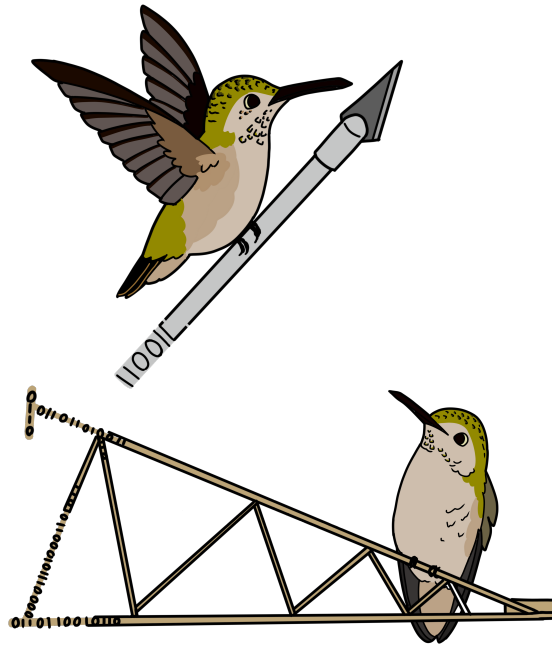


# BirdSO Invitational - Digital Structures C

Event Supervisor: George Sun (Bernard)

07-13 March 2021



## Instructions

Welcome to Digital Structures! This test contains 1) some of the specifications to which you must design your Boomilever and 2) a place to submit your Estimated Load Supported for tiebreaker. **Please record these specifications before clicking submit as you will not be able to access them again after submission.** You must submit this test within the first 5 minutes of your event block for your Estimated Load Supported to be considered.

Please design your Boomilever in [SkyCiv](#) with *Competition Mode* enabled via the Science Olympiad add-on (In SkyCiv: Hi YourName → Account Settings → Software Settings → Science Olympiad [S3D] → On). **You will submit (within 45 minutes of starting this test) your Boomilever within SkyCiv; submissions that are late (regardless of whether a technological issue caused the lateness) may be assessed Competition Violations.**

During this event you should communicate with your partner via a method outside of Scilympiad such as Google Meet, Zoom, Facebook Messenger, FaceTime, etc. **As you will not be able to access this test after submitting, please keep this instructions document open in another tab.**

*Teams having issues with paywalls or licenses will not be given extra time. The onus lies on teams to make sure their account is fully licensed in advance of the tournament to compete in the Digital Structures event. Any team who encounters a technical issue that is not related to licensing (e.g. issues with the Science Olympiad add-on) should email screenshots documenting their issue to [bernard@scioly.org](mailto:bernard@scioly.org) in a timely manner for consideration of an extension or reprieve. The team's coach must also file an appeal in Scilympiad, explaining the details of the situation. Coaches and students are asked not to rely on emails alone to raise concerns.*

## Introduction

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1. (0 points) The distance from the **origin to the Contact Width Lines** is **3.1 cm**. *(To satisfy this requirement, the Contact Width measured by SkyCiv must be  $\geq 31.000$  mm.)*
  2. (0 points) The distance between the **Testing Wall and the Loading Point closest to the Testing Wall** is **41.5 cm**. *(To satisfy this requirement, the Min. Load Distance measured by SkyCiv must be  $\geq 415.000$  mm.)*
  3. (0 points) What is your **Estimated Load Supported**? Please enter a value between 0 and 15,000, in grams. This will be used as a tiebreaker (per rule 5.e.i.) as needed.

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Thank you for submitting your Estimated Load Supported! You will submit (within 45 minutes from when you started this test) your Boomilever within [SkyCiv](#).

**As you will not be able to revisit this webpage later, please check that you have opened this [instructions](#) document in another tab.**