**Bridge- Estimated time**

|  |  |
| --- | --- |
| Videos – 20 mins | 20 |
| Design on Paper / preliminary design | 20 |
| Cutting of wood | 20 |
| Building of truss 1 | 30 |
| Building of truss 2 | 30 |
| Zoom questions answered | 10 |
| Connecting trusses | 15 |
| Outfitting with extras (gusset plates, etc.) | 20 |
| Finishing touches | 15 |
| **TOTAL** | **3 hrs. 0 mins.** |

**Monthly Schedule (December 2020)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sunday** | **Monday** | **Tuesday** | **Wednesday** | | **Thursday** | | **Friday** | **Saturday** |
|  |  | **1.**  Packages ship | **2.** | | **3.** | | **4.** | **5.**  Packages Arrive |
| **6.**  Packages Arrive | **7.**  Packages Arrive | **8.** | **9.** | | **10.** | | **11.**  ZOOM calls hosted | **12.** |
| **13.** | **14.** | **15.**  ZOOM calls hosted | **16.** | | **17.** | | **18.**  Send kit back | **19.** |
| **20.** | **21.**  Send kit back | **22.** | **23.** | | **24.**  STIX team tests  We Receive packages | | **25.** | **26.** |
| **27.** | **28.** | **29.** | **30.**  STIX team tests projects | **31.**  Receive  Feedback | |

**Bridge quiz/follow up**

* What caused all of the bridges in America to be destroyed in the 1700s?
* What is the strongest shape in the world?
* Objects when they get hot and when they get cold.
* What are two different types of bridges besides truss style?
* The purpose of a truss is to distribute a
* What is the purpose of the wax paper we include in your kit?
* How do we recommend attaching the two sides of the bridge?
* Your bridge must be at least ” long, ” wide, & ” tall.
* But less than ” long, ” wide, & ” tall.
* How do we test your bridge?
* What is structural efficiency?