Appendix A – Research Table

CCDP 2100U Winter 2018

Team 2

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| Team Member | Research Question | Component | Principle |
| Chris Canton | Flood Detection Mechanism | Flood Detector  (Capacitor) | * Ohm's law * Archimedes' principle |
| Thomas Da Silva | How to keep the structure of the house intact while the hydraulics are moving it | House Structure | Newton's Second Law |
| Fareen Lavji | How to use the flood water to run the hydraulics. | Hydraulic Circuit  (Fuel Support) | * Bernoulli's Principle * Venturi Effect * Pascal's Law |
| Paxton Reid | Ways to accommodate for the effects of the floodwater on soil | Foundation and Soil | Darcy's Law |
| Sian Smith | How to use hydraulics to lift the house | Hydraulic Pumps | Pascal's Law |