

# SIMPLE MACHINES

*Tom Ransom and Vic Micallef*

<http://myedapp.com/quest/nel18raK/simple-machines>

# OUR APPROACH

## *Montessori*

- Student-led, designed to foster independence, and a love of learning (intrinsic motivation).
- Engaging materials, with content embedded within.







# CURRICULUM INTEGRATION

*Science, technology, history, arts, mathematics...*

# STUDENT-LED

*Numerous opportunities to extend into areas of personal interest*

# 3D PRINTING

*Balance scale,  
Air Turbine Car,  
block and tackle,  
a bolt (and nut),  
Archimedes Screw*

# THE PRESENTATION

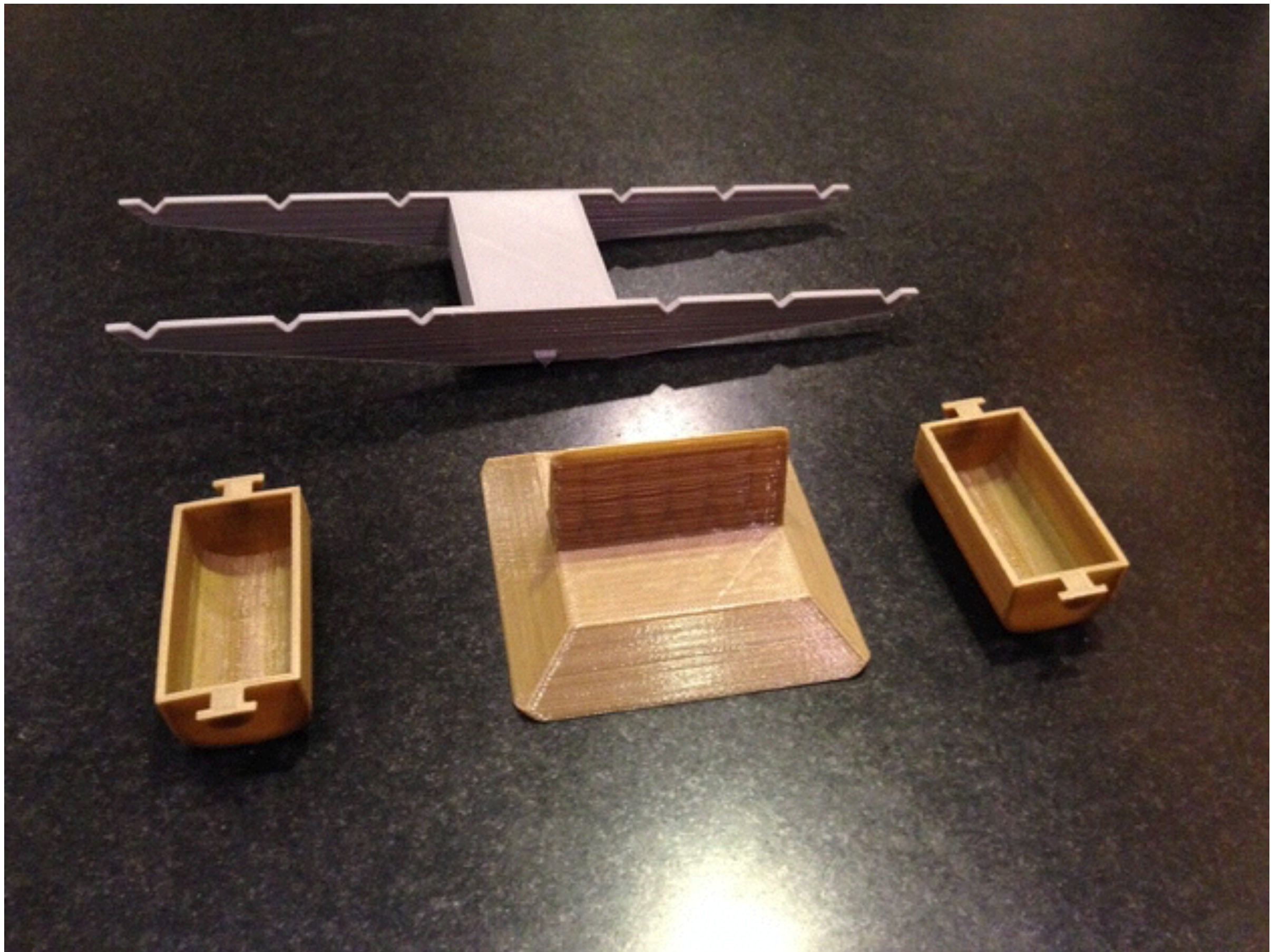
*Overview*

*Highlights*

# LEVERS

*Seige engines and a balance scale*

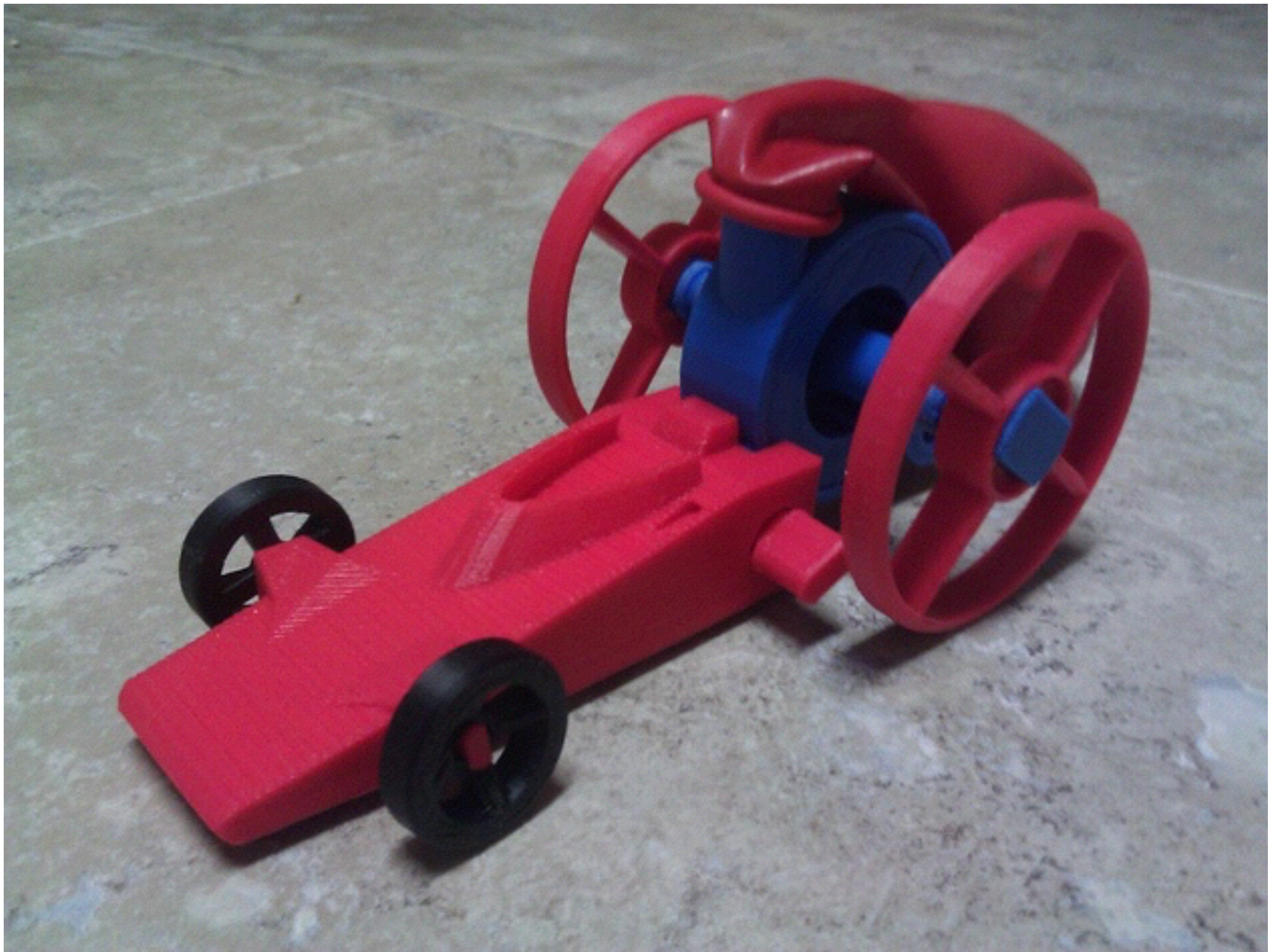




# WHEELS

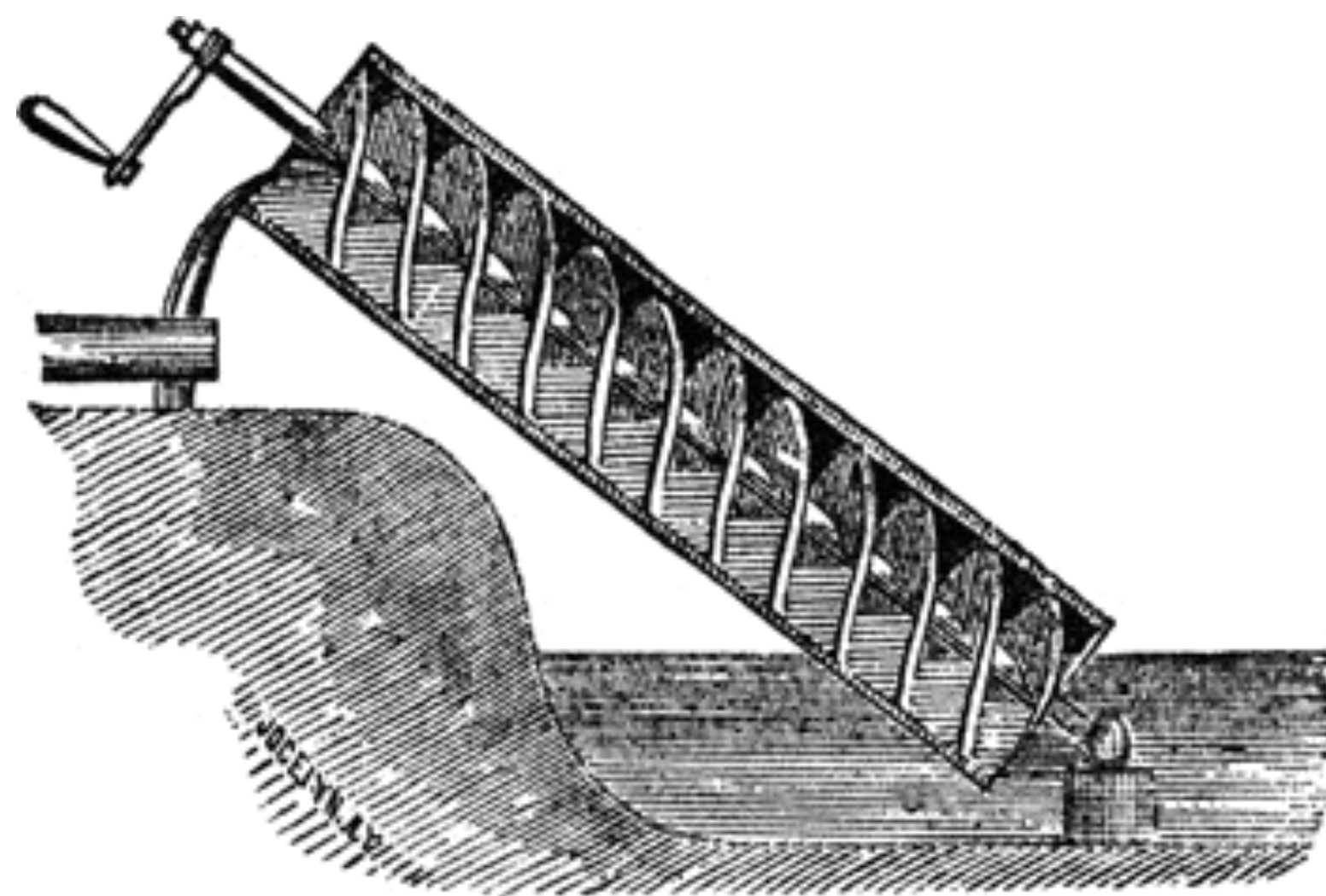
*Creative writing and an air turbine car*





# 3D PRINTING CHALLENGE

*Archimedes Screw*





# REFLECTIONS