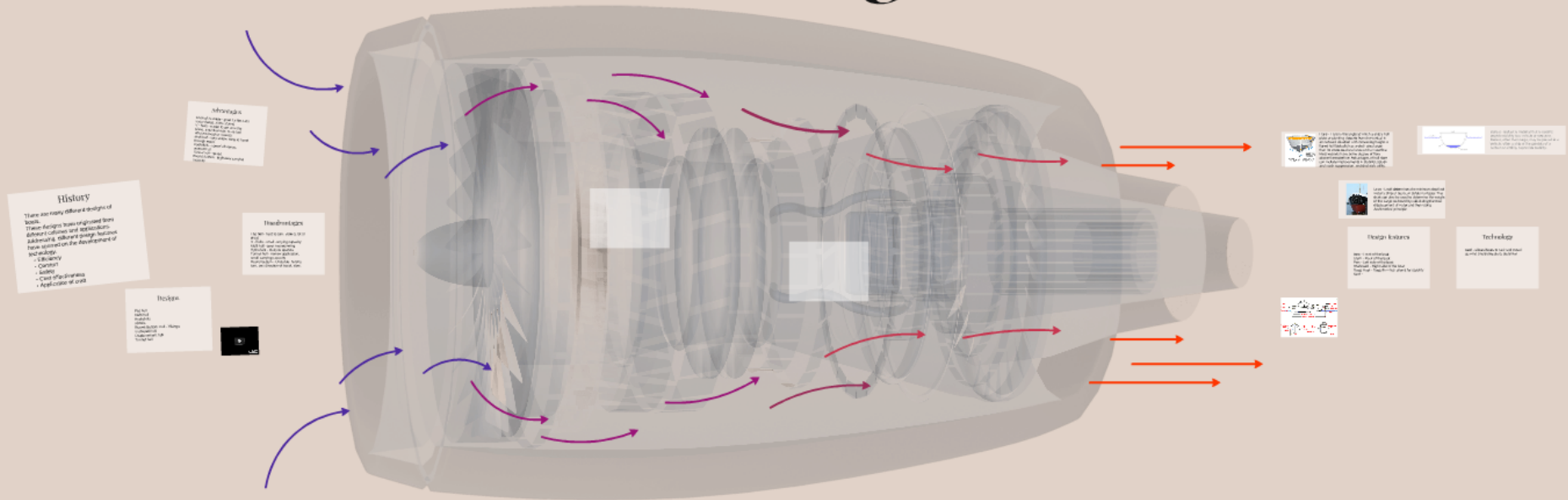


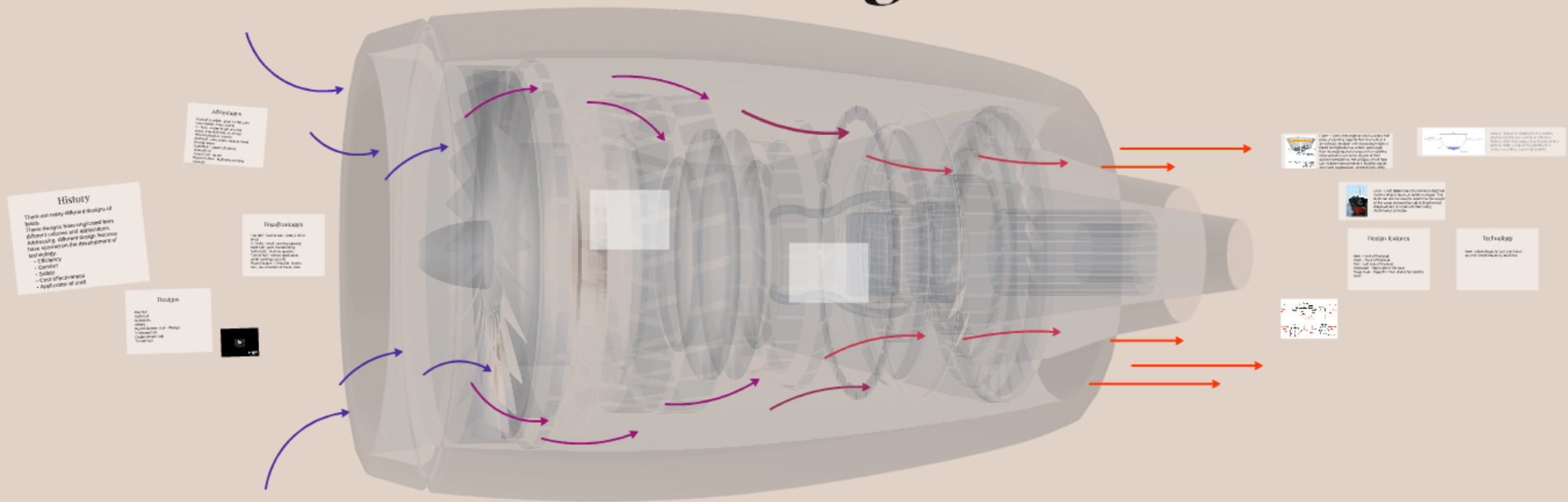
Craft Design



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History

There are many different designs of boats.

These designs have originated from different cultures and applications.

Addressing different design features have spurred on the development of technology.

- Efficiency
- Comfort
- Safety
- Cost effectiveness
- Application of craft

Designs

Flat hull

Multi hull

Hydrofoils

Airfoils

Round Bottom Hull - Vikings

V-shaped hull

Displacement hull

Tunnel hull



You **Tube**

Advantages

Flat hull is stable - good for flat calm water (lakes, rivers, dams)

V - hulls - easier to get onto the plane, smoother ride, more fuel efficient (rougher waters)

Multi hull - very stable, easy to travel through water

Hydrofoils - speed efficiency, economical

Tunnel hull - speed

Round bottom - big/heavy carrying capacity

Disadvantages

Flat hull - hard to turn, slow (a lot of drag)

V - hulls - small carrying capacity

Multi hull - poor maneuvering

Hydrofoils - tricky to operate

Tunnel hull - narrow application, small carrying capacity

Round bottom - Unstable, hard to turn, one direction of travel, slow.

Design features

Bow - Front of the boat

Stern - Back of the boat

Port - Left side of the boat

Starboard - Right side of the boat

Deep Heel - Deep fin which allows for stability

Keel -