3D Printed Aircraft Competition
Team Frequent Flyers

**Competition Rules**
- All lifting surfaces 3D printed and fixed
- Maximum 5 second thrust
- Remains within flight path – football field and height of goal post
- Must be hand thrown

**Aircraft Progression**

**Final Design**
- Aspect Ratio – 9.6
- Wingspan – 1.44 m
- Average Chord Length – 15 cm
- Root Chord Length – 20 cm
- Tip Chord Length – 10 cm
- Sweep Angle – 13°
- Airfoil – SD7037

**3D Printing**

**3D Printing Takeaways**
- Troubleshooting settings
- Tolerances can vary depending
- Adapting settings per material
- 45° max without supports
- Designing for 3D printing
- Complex designs possible

**Aircraft Progression**

**Final Product**

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