Noah

3D Design

Period 4

9/9/2014

**Paper Plane Design Trials**

**Plane 1 – Name: Arrow URL: http://www.funpaperairplanes.com/pdf/Arrow\_Sample.pdf**

**Trial 1**

Distance – 27 Ft.

Flight Path – Forward than sink left

Observations – Fell off to the left

Design Tweaks Applied – Paper clip left wing

**Trial 2**

Distance - 27 Ft.

Flight Path – Straight

Observations – It dropped

Design Tweaks Applied – None

**Trial 3**

Distance – 32 Ft.

Flight Path – Straight

Observations – It went farther

Noah

3D Design

Period 4

9/15/2014

**Paper Plane Design Trials**

**Plane 2 – Name: Dart URL:http://www.amazingpaperairplanes.com/Basic\_Dart.html**

**Trial 1**

Distance -24 Ft.

Flight Path – Straight then fell off to the left.

Observations – Needs weight on the right wing.

Design Tweaks Applied – Paper clip to the right wing.

**Trial 2**

Distance -30 Ft.

Flight Path – Straight & Barrel roll

Observations – Better than last test… Paper clip definitely helped.

Design Tweaks Applied – None

**Trial 3**

Distance – 29 Ft.

Flight Path – Straight

Observations – It went straight then it dropped immediately.

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3D Design

Period 4

9/16/2014

**Paper Plane Design Trials**

**Plane 3 – Name: Belly-Button Glider URL: http://www.amazingpaperairplanes.com/FoldingGliderBB.html**

**Trial 1**

Distance - 8 Ft.

Flight Path – Up then down.

Observations – It didn’t fly that far before it fell.

Design Tweaks Applied – Folded the wings down

**Trial 2**

Distance - 5 Ft.

Flight Path – straight then it turned around and flew backwards.

Observations – This plane is not well built ☹

Design Tweaks Applied – None

**Trial 3**

Distance – 7.5 Ft.

Flight Path – Straight then immediately down.

Observations – It could probably be better if I had added some weight.

Which plane do you recommend and why?

I recommend the dart because it was fun to build and cool to watch it fly.