**Notes:**

* All parts made from 6mm Depron or BlueCore foam unless otherwise indicated
* If using BlueCore, peel the plastic covering off both sides of all fuselage parts (leave the skin on all wing and empennage parts)
* Sand all wing and empennage leading edges round and apply a piece of 3M Satin tape around the leading edge to add smoothness and durability
* Flaperon and stabilator flight controls recommended.
* Recommended control deflections (all dimensions measured at root trailing edge):
  - Stabilators: +/- 1.0”
  - Ailerons: +/- 1.0”
  - Flaps: 0 up, 0.5” down
* Use -40% exponential on elevator and ailerons
* Launch and land with 10 deg flaps. For improved maneuvering in small fields, set 10 deg flaps.
* Choose a power system that provides 15-20 oz static thrust and a 45-50 mph pitch speed.
* Recommended brushed power system: GWS EPS-350C with C gearing (5.33), 8x6 GWS SF prop, 11.1V 1200 mAh Lipo battery
* Recommended brushless power system: Himax 2015-4100, 4.4 gearing, 9x6 APC SF prop, 11.1V 1200 mAh Lipo battery
* Use a heat gun to gently bend the foam in the fuselage to pre-form it to the shapes shown

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**T-38 Talon Park Jet**

Span: 28.2”
Wing area: 218 sq in
Weight: 15.0 - 18.0 oz RTF
Wing loading: 10.9 oz/sq ft

*Designed and drawn by Steve Shumate*
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.21" dia carbon tube spar

Cover wing leading edge with a strip of 3M Satin tape for smoothness and durability

Cut 45 deg bevel in flaperon leading edge and hinge with 3M Satin tape

GWS EPS-350 motor shown (no right or down thrust)

.157" x 9" carbon tube pivoting inside three short pieces of 3/16" aluminum tubing

Flaperon servos (with 1/32" music wire pushrods)

Foam triangle made from 3 strips of 5/8" wide foam

3/8" sq x 4" hardwood motor mount

Aft canopy mount made from 1/4" balsa triangle with Velcro on top

3/4" x 5/8" 1/64" ply bearing supports (4 total)

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Stabilator servo (use 1/32" music wire pushrod)

.Use servo arm for control horn (drilled out to fit carbon tube)

Dashed green lines indicate 1/2" foam trip doublers at corners (see parts templates for details)

Made from laminated foam foam block carved to shape

.21" dia carbon tube spar

3/8" sq x 4" hardwood motor mount

3/4" x 5/8" 1/64" ply bearing supports (4 total)

Stabilator servo (use 1/32" music wire pushrod)

.Use servo arm for control horn (drilled out to fit carbon tube)

Dashed green lines indicate 1/2" foam trip doublers at corners (see parts templates for details)

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