



## **Franklin Science and Technology Fair –**

**SATURDAY CHALLENGE** for students in the **All Divisions** will be held on **Saturday, April 1, 2017**, at the times shown below. Sign up for the contest at [www.franklinscience.org](http://www.franklinscience.org)

**Object of the Contest:** To construct a paper airplane that can fly the greatest distance with accuracy through a circular hoop (hula-hoop size).

**Materials:** All building materials will be provided by the council. Paper, scotch tape and paper clips.

### **Contest Rules:**

- Each student will be given 5 minutes to make a paper airplane.
- Any type of design will be accepted as long as the entire 8" x 11" sheet of paper and only the above-mentioned materials are to be used.
- Students must independently build their airplane. Parents may give verbal guidance only.
- All airplanes must be created at the time of the contest. Students may plan and practice at home.
- Each student will stand on the marked line to launch their plane. The hoop will begin at a 3 feet distance from the launch line. If the student successfully makes it through the hoop, they will proceed to the next round.
- Each additional round will add 3 feet to the prior rounds hoop distance.
- Each student will receive 3 attempts to make it through the hoop at the current distance.
- Once the student's plane fails to successfully fly through the hoop, they are eliminated.
- The top three greatest distances will win a prize.
- In the event of a tie score, two prizes will be awarded at that level.

### **Paper Airplane Websites:**

- Ken Blackburn's site, <http://paperplane.org/patterns.html>, has airplane patterns for various skill levels.
- Alex's Paper airplanes at <http://www.paperairplanes.co.uk.php> has plenty of designs, with video demonstrations.
- From the Basic Dart to the Supersonic Concord, <http://www.amazingpaperairplanes.com/index.html> has patterns for a variety of skill levels.

### **Contest Times and Categories:**

<b>Primary 1</b> <b>12:15-1:00 p.m.</b>	<b>Junior/Senior</b> <b>2:15 -2:45 p.m.</b>
<b>Intermediate</b> <b>1:15 – 2:00 p.m.</b>	

Please arrive 15 minutes prior to your division starting time. Ending times may vary depending on the number of participants.

**Contest Prizes:** 1<sup>st</sup>-place winners in each division will be awarded a certificate and \$25.00.  
2<sup>nd</sup>-place winners in each division will be awarded a certificate and \$15.00.  
3<sup>rd</sup>-place winners in each division will be awarded a certificate and \$10.00.

Certificates and cash awards will be presented at the awards ceremonies directly following the contest at 4:00 p.m. in the Middle School Auditorium.