

FLIGHT DAY PROGRAM



BENNETT CENTRE

**GRADE 6 SCIENCE
FLIGHT**

**Please have everyone bring
a second pair of shoes to be
used indoors.**

This program runs from 9:30-2:30 and includes indoor classroom activities. Flight is an activity-based program in which students will experiment with building parachutes and gliders and modifying them. There will be a demonstration of a hot air balloon. The following is a list of activities that will be included in the day program. Learner expectations that will be addressed are indicated beside each activity.

Students will:

- | | | |
|-------|----|--|
| INTRO | 1. | Discuss natural and man-made flyers in our world as well as be given a short history of flight |
| SLE 1 | 2. | Work with a partner and construct a parachute and test its performance (some tests may involve an outdoor component) |
| SLE 1 | 3. | Work with the same partner and construct a second parachute with a design modification and then test it against the original for effectiveness or success of the change |
| SLE 1 | 4. | Determine the best designed parachute through a class competition |
| SLE 2 | 5. | Be presented with a demonstration of a hot air balloon followed by a discussion of flight principles of a hot air balloon |
| SLE 3 | 6. | Construct a glider and test its performance. Class members will use different materials and designs and compare them |
| SLE 5 | 7. | Using airplane models, learn the appropriate vocabulary in referring to the control surfaces and major components of an aircraft. This vocabulary will include:
Wing, fuselage, vertical & horizontal stabilizers, elevators, ailerons and rudder |
| SLE 3 | 8. | Identify control surfaces on their gliders and then experiment with flight patterns using these controls i.e. fly in a loop, turn to the right or left |
| SLE 4 | | |
| SLE 3 | 9. | Hold competitions to test glider designs, first for the length of flight and then for loops and turns |

***Please have students bring a pencil and wear a nametag. 2-3 extra parent volunteers is recommended. Students will be able to take the parachutes & gliders they build back to school.**

The Bennett Centre will provide an instructor, materials, and equipment. Students will be provided with a student booklet. Students will be working in pairs.

ALLERGY ALERT REMINDER
The Bennett Centre, at all locations, is
fragrance free and peanut free for the safety
and comfort of our visitors and staff.