

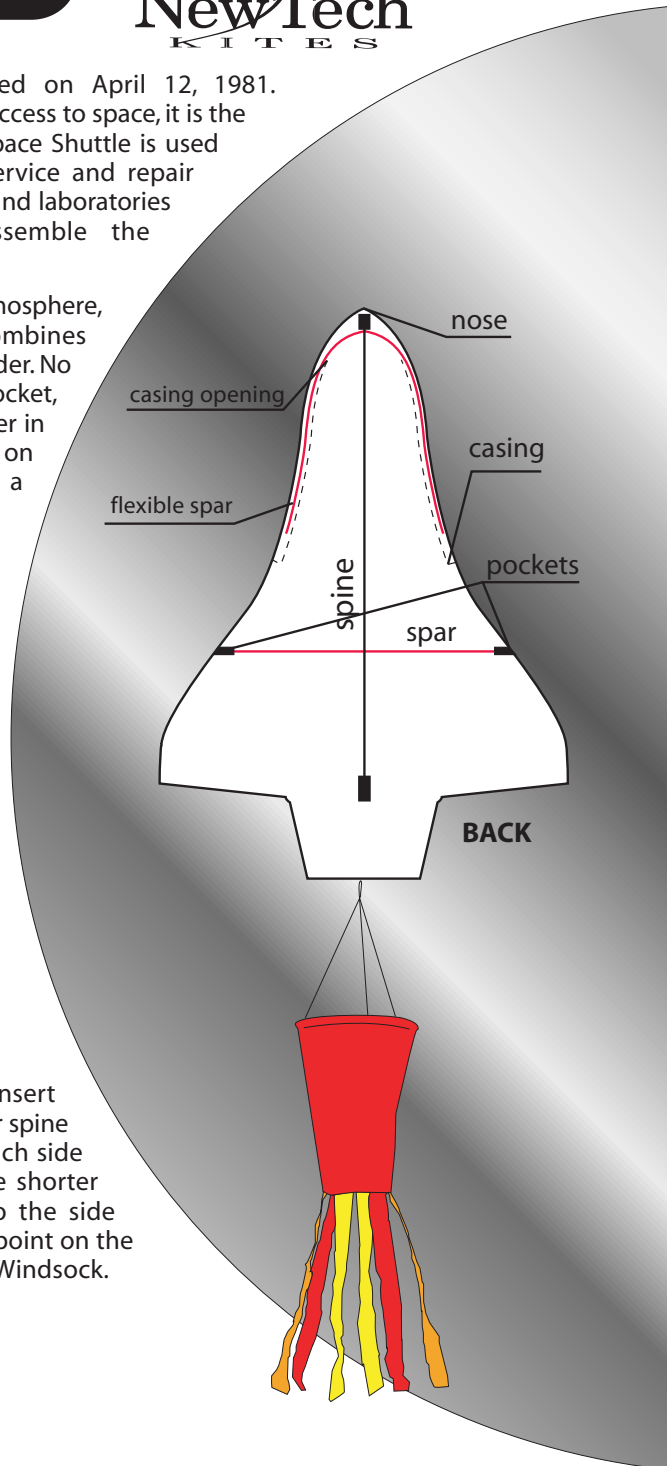
## About the Shuttle



The Space Shuttle was first launched on April 12, 1981. Developed for routine and economical access to space, it is the world's first re-flyable spacecraft. The Space Shuttle is used to deliver and retrieve satellites, to service and repair satellites in space, to carry instruments and laboratories for scientific research, and to assemble the International Space Station.

Designed to operate on land, in the atmosphere, and in space, the Space Shuttle combines features of a rocket, an aircraft, and a glider. No other flying machine is launched like a rocket, serves as a crew vehicle and cargo carrier in Earth's orbit, maneuvers in space, lands on a runway, and is ready to do it all again a few weeks later.

The Space Shuttle consists of the orbiter (the piloted vehicle), two solid rocket boosters used for liftoff, and the external tank that supplies propellants to the orbiter's three main engines. The boosters and tank fall off during ascent and only the orbiter goes into space. Together the engines and boosters produce about 7.7 million pounds total thrust and liftoff. The Shuttle's main engines and solid rocket boosters are the first ever designed for reuse.



## Directions

Unroll the kite and place it face down. Insert the longer flexible spar under the center spine and through the casings located on each side of the nose (see illustration). Place the shorter spar under the center spine and into the side pockets. Tie your flying line to the tow point on the bridle. Attach the Spinning Flame Tails Windsock.

## Tips & Tricks!

Kites fly best in wide open spaces. Avoid flying in areas near buildings and trees.

To launch, start with the wind to your back. Hold the kite with the nose up in one hand while securely holding the winder in the other. When you feel the pressure of the wind against the kite, let go. As the kite rises, slowly release the line. A high altitude launch is an effective method of getting your kite off the ground in light winds. Have someone stand downwind as you let out as much line as possible (>100). As the kite is released into the wind, tug on the line.