

NASA STUDENT LAUNCH PDR SUMMARY

CEDAR PARK HOME SCHOOL

C/O CAPSTONE WORKS, INC.
715 DISCOVERY BLVD., STE 101
CEDAR PARK, TX 78613

MENTORS: ALEX ADAMS, LEVEL 1 CERTIFIED CHUCK ADAMS LEVEL 12 CERTIFIED

SUBMITTED: 11/4/2016

LAUNCH VEHICLE SUMMARY

SIZE AND MASS: 65.62 in L, 6.25in Dia, 244 6.943.9kg

MOTOR CHOICE: K560W

RECOVERY SYSTEM: Dual Deployment Parachutes

PAYLOAD SUMMARY

PAYLOAD TITLE: Exploration of the use of Magnetic Levitation to dampen g-Forces experienced during launch

SUMMARIZE PAYLOAD EXPERIMENT: Interior payload compartment will be repelled from opposite ends, thereby causing that Interior payload compartment to float in midair inside the outer payload bay, which, we hope, will dampen sudden accelerations in that given the interior compartment.