

STARDATE: 20151207

ROCKETS

CODE: H7033

MISSION SPECIALIST: JASON

CALL SIGN: SPACEMAN SPIFF



GRADE LEVEL: 7-12

COST/FEE: \$40-60 PER PERSON, DEPENDING ON HOW MANY ROCKETEERS SIGN UP. PAYMENT DUE NO LATER THAN NOVEMBER 20. SCHOLARSHIPS ARE AVAILABLE.

CREDIT: .25 SCIENCE ELECTIVE

WHAT IS A ROCKET? HOW DO ROCKETS GET OFF THE GROUND? WHAT ARE THE FORCES AND EQUATIONS THAT ARE USED TO ALLOW ROCKETS TO TRAVEL INTO SPACE OR THROUGH THE AIR? YOU WILL LEARN THE ANSWERS TO THESE QUESTIONS AND MORE DURING THE ROCKETRY INTENSIVE. AHHHHHH, HECK! LET'S JUST BUILD AND LAUNCH A BUNCH OF DIFFERENT ROCKETS WHILE LISTENING TO AWESOME ROCKET-THEMED MUSIC LIKE ROCKETMAN, THE THEME TO 2001: A SPACE ODYSSEY, AND SPACE ODDITY! WE WILL EXPERIMENT WITH DIFFERENT FUELS (AIR, LIQUID, SOLID), BUILDING MATERIALS, AND LAUNCH CONDITIONS TO LEARN AS MUCH AS WE CAN ABOUT THE SCIENCE OF ROCKETS. THEN, FOR THE LAST TWO DAYS WE WILL TRAVEL TO THE CHALLENGER LEARNING CENTER IN KENAI TO TAKE PART IN SOME SPACE SCIENCE WORKSHOPS, LEARNING ABOUT THERMAL ENGINEERING AND AN EARTH SHUTTLE MISSION. WE WILL ALSO EAT MEDIOCRE FOOD THAT WE MAKE AND SLEEP IN SPACE-LIKE BUNKBEDS IN THE GLC DORMS.