HOPKINSVILLE COMMUNITY COLLEGE
HIGH ALTITUDE BALLOONING

By Sherry McCormack, Chris Young, Jennifer Burden, Theresa Palandro, Ashley Greene
BalloonSat Workshop at the U.S. Space and Rocket Center

- Soldering and Software
- Programming Micro-Controllers
- Sensor Testing
- Prediction Software
- Launch Operations
- Payload Recovery and Data Analysis

TRAINING
SOLDERING LAB
- Sensors for Testing Temperature, Pressure, IR
- Mold Growth
- Egg Experiment
- Micrometeorites
- Insect Survivability
- Battery Charging
- Yeast
- Seeds (High School)
- Cellular Phone Reception (High School)
OUTREACH
HIGH SCHOOL RESEARCH OPPORTUNITIES
FIRST LAUNCH
SPRING 2015 RETRIEVAL
SUCCESSES AND CHALLENGES

- Retrieval
- Micrometeorite Containment System
- Sensor Coding
- Camera Stabilization
MICROMETEORITE CONTAINMENT
SOLAR PANEL EXPERIMENT
KENTUCKY MATHEMATICAL ASSOCIATION OF THE TWO YEAR COLLEGE PRESENTATION
HOPKINSVILLE COMMUNITY COLLEGE CAMPUS
BALLOON BURST
SPRING 2016 RETRIEVAL
SPRING 2016 TEAM
FALL 2016 TEAM
THANK YOU!