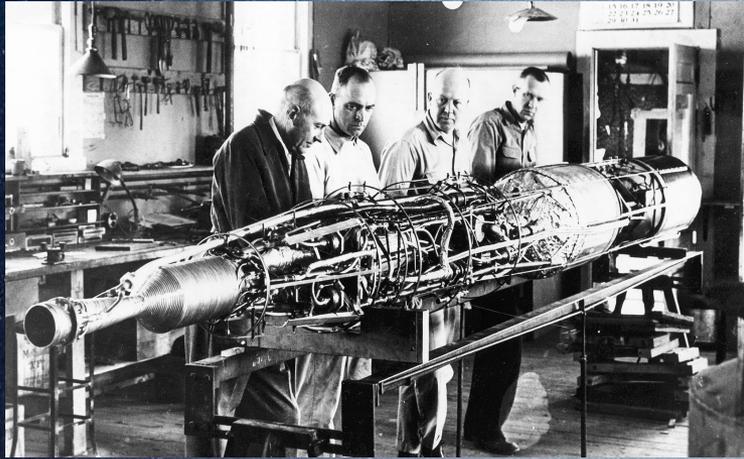
A rocket is shown launching from the Earth's surface, ascending into space. The rocket is white with orange and black accents. A large plume of white smoke and fire is visible at the base of the rocket. In the background, the Earth is visible in the upper right corner, and the Moon is visible in the lower right corner. The sky is dark blue with many stars and a few streaks of light.

Презентация на тему:
«Как мы построили ракету».

Состав команды



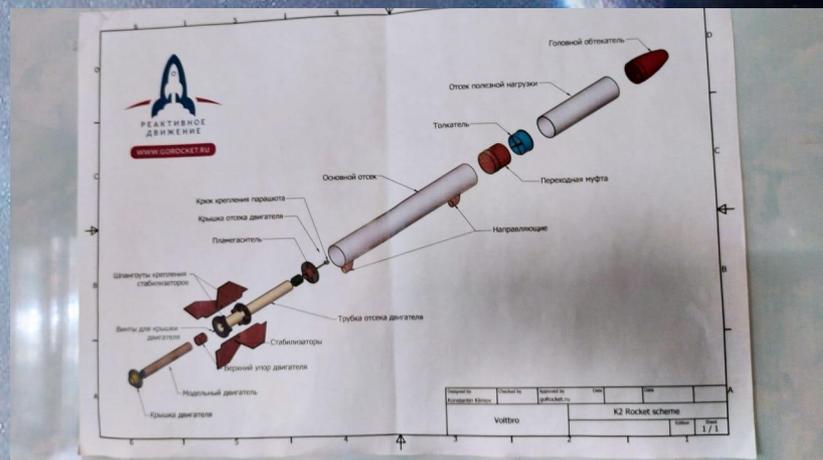
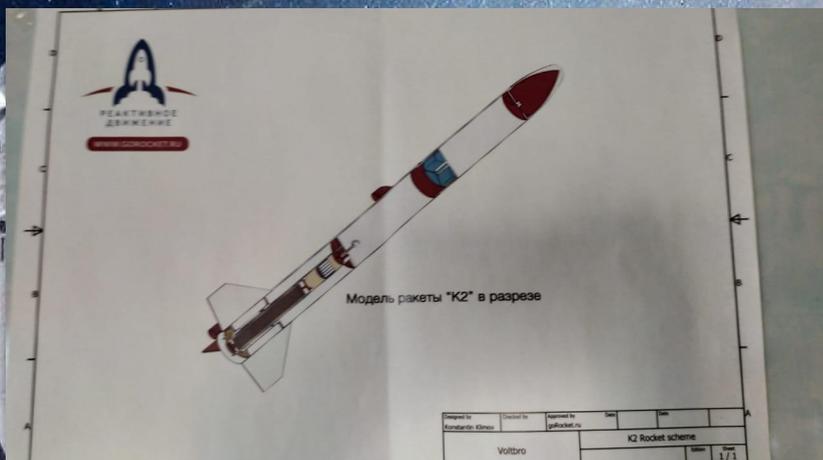
Немного об истории ракетостроения.



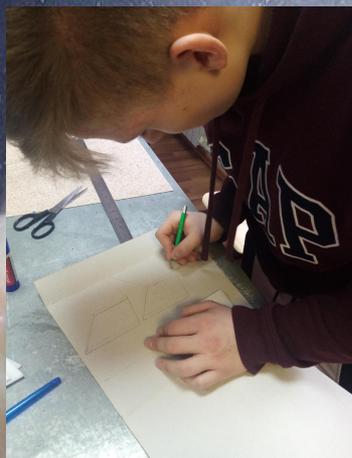
Сергей Королёв и легендарная Р-7



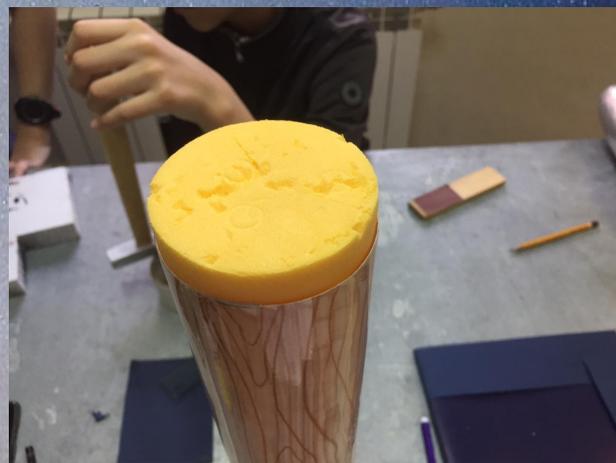
Первые 3 дня занятий.



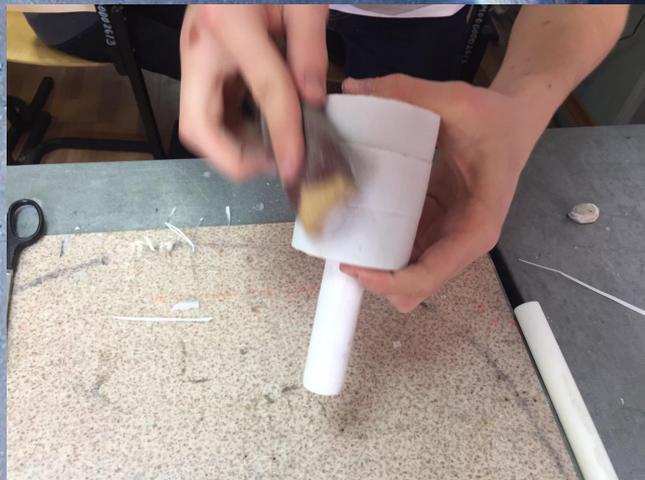
День 4



День 5



День 6



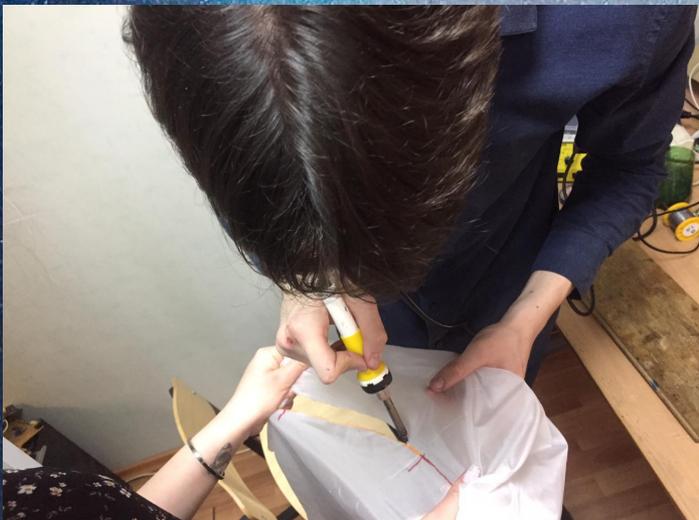
День 7



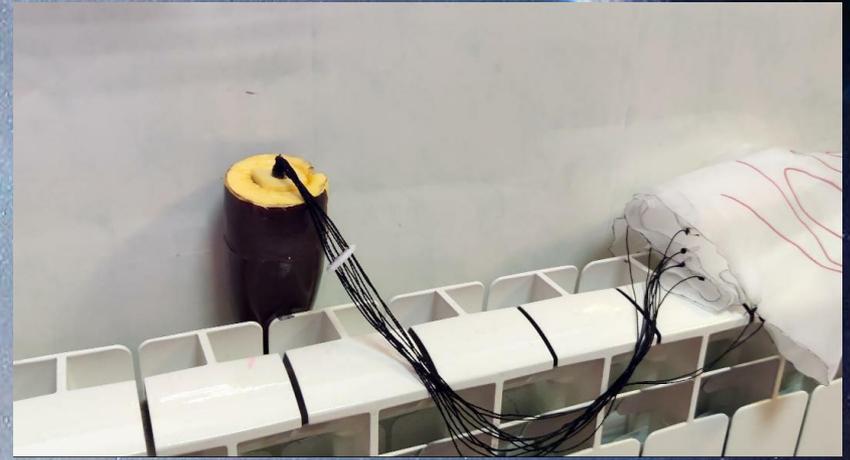
День 8



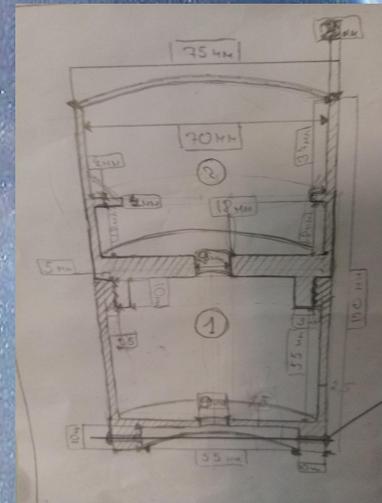
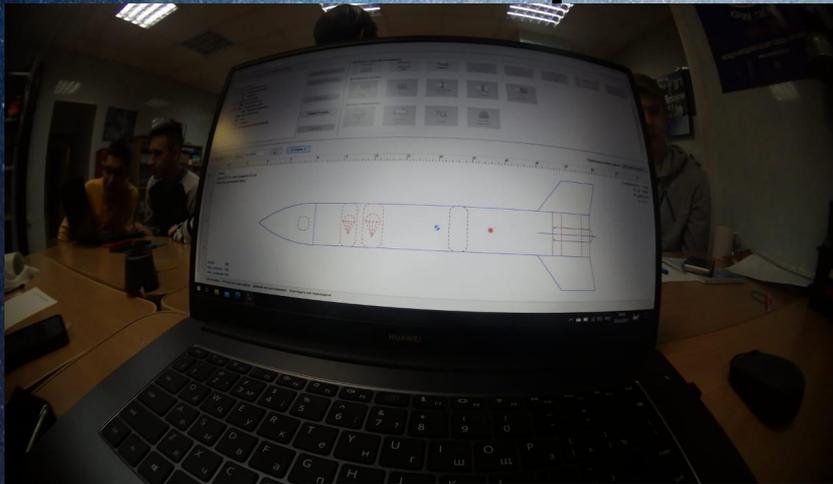
День 9



День 10



Подробнее про цель запуска ракеты.



Расчет парашюта

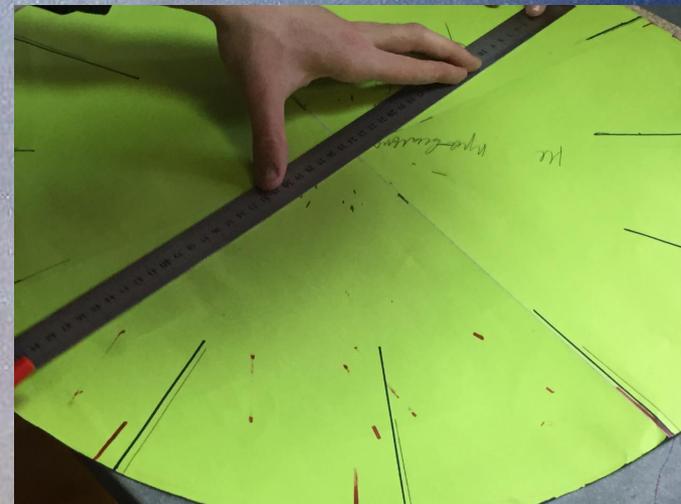
Температура	$R_{\text{л}}$, кг/м ²
+30	1.165
+30	1.164
+25	1.184
+20	1.204
+15	1.225
+10	1.247
+5	1.269
0	1.292
-5	1.316
-10	1.342
-15	1.365
-20	1.403
-25	1.453
-30	1.515

Площадь парашюта
 $S = 2 \text{ m}^2$
 $S = C_x \cdot R_{\text{л}} \cdot V^2$

$S = \pi \cdot (R_{\text{л}})^2$
 $g = 9.81 \text{ м/с}^2$

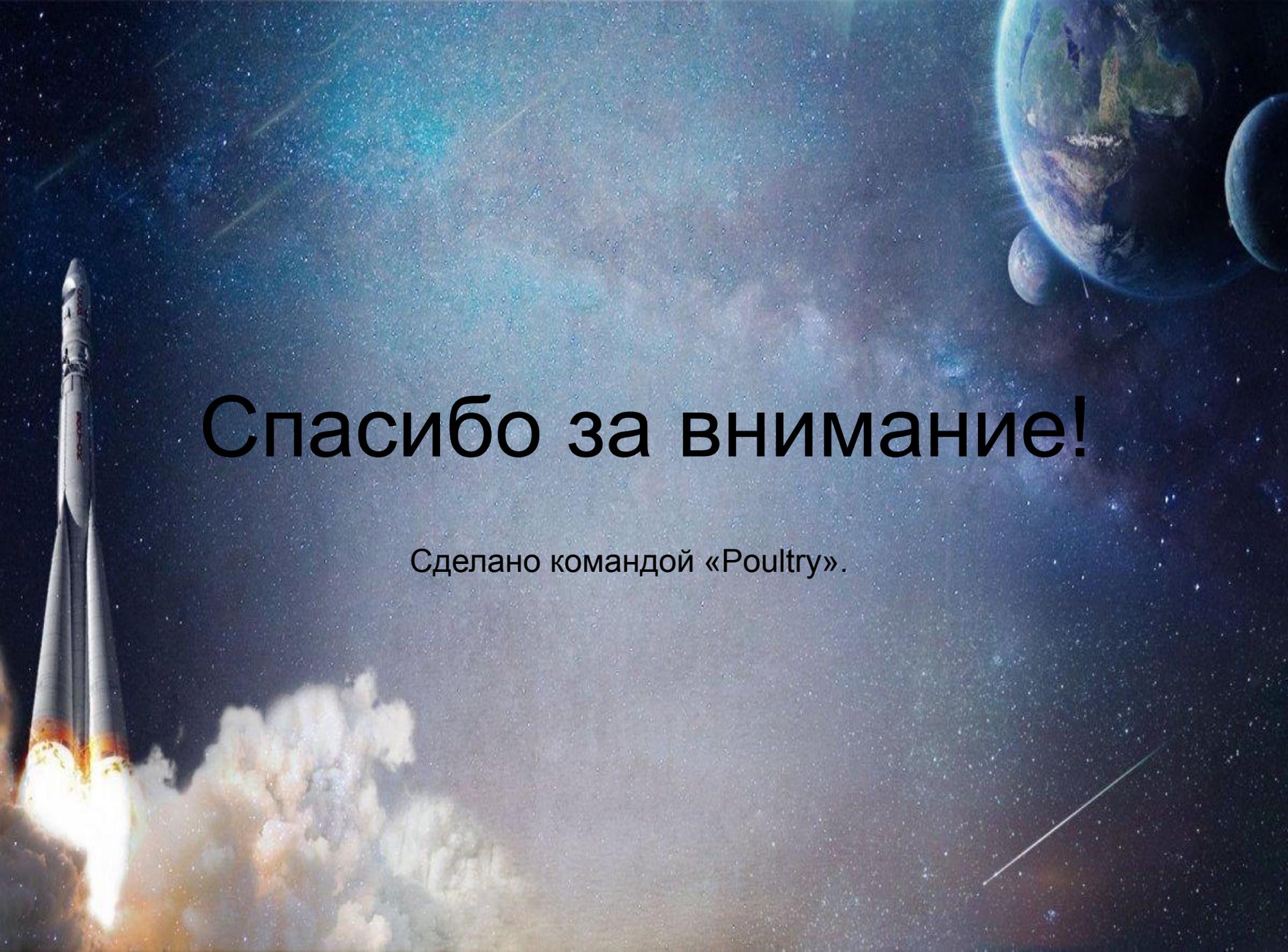
$C_x = 0.75$ - для плоского парашюта
 $C_x = 1.0$ - для купольного парашюта
Длина строп - 2.4 м
 $g = 9.81 \text{ м/с}^2$

Волтбра



Результаты запуска ракеты



A rocket is shown launching from the bottom left, ascending into a vast space filled with stars and the Milky Way galaxy. In the upper right, the Earth and the Moon are visible. The rocket's engines are glowing, and a large plume of white smoke and fire is trailing behind it.

Спасибо за внимание!

Сделано командой «Poultry».