A vertical rocket is shown on the left side of the image, ascending from the Earth's surface. The rocket is white with orange and black accents. At the bottom, a large plume of white smoke and orange fire is visible, indicating the launch. The background is a deep blue space filled with stars and a few streaks of light. In the upper right corner, the Earth is visible, showing continents and oceans, with the Moon partially visible next to it.

Презентация на тему:  
«Как мы построили ракету».

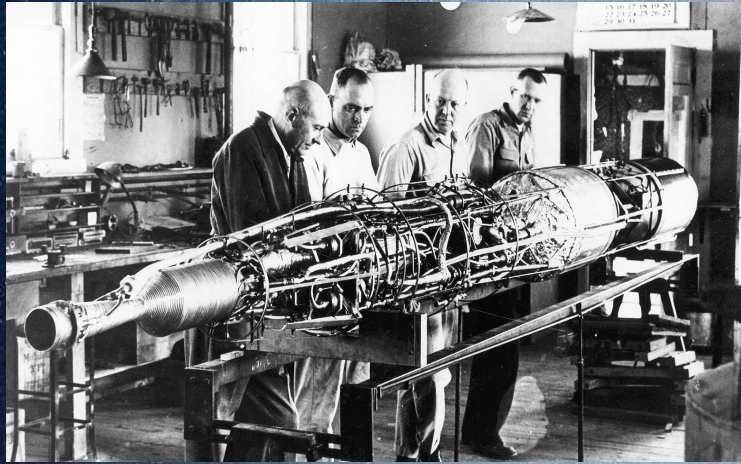


# Состав команды

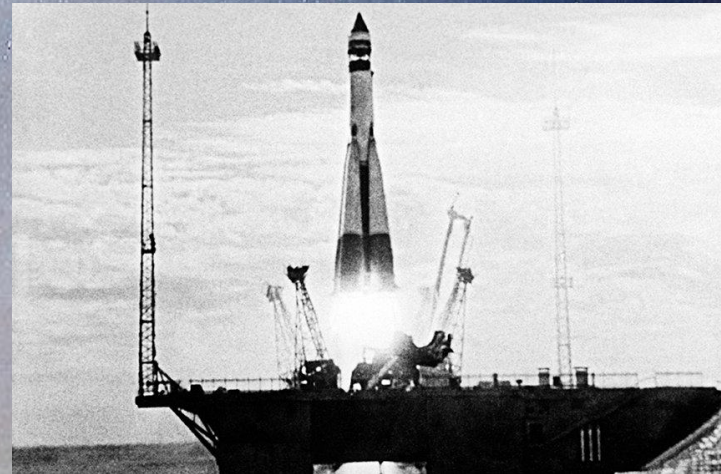




# Немного об истории ракетостроения.

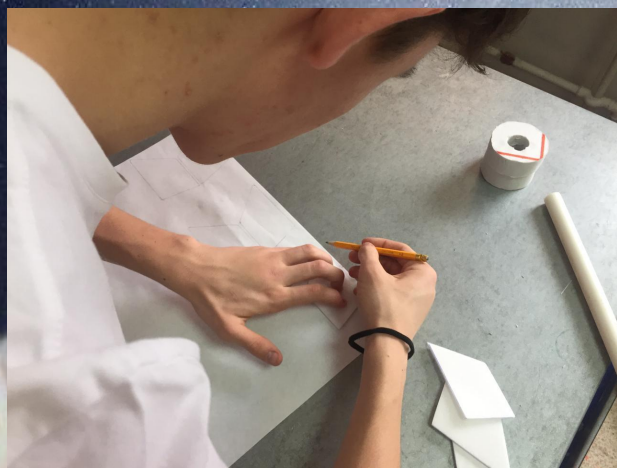
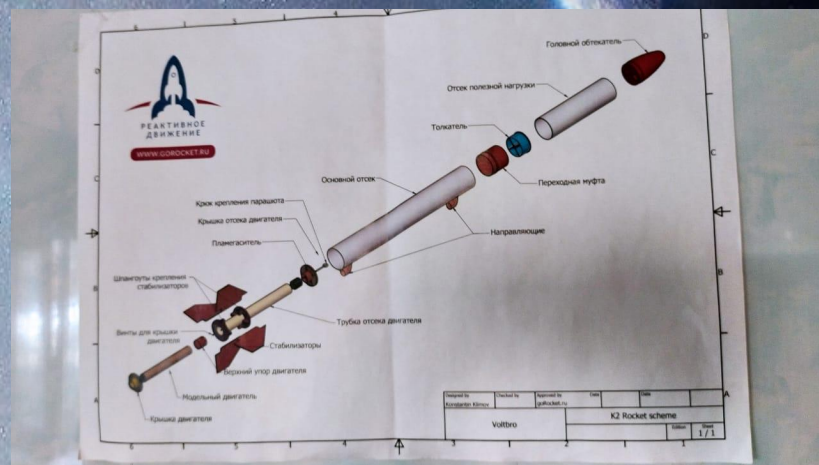
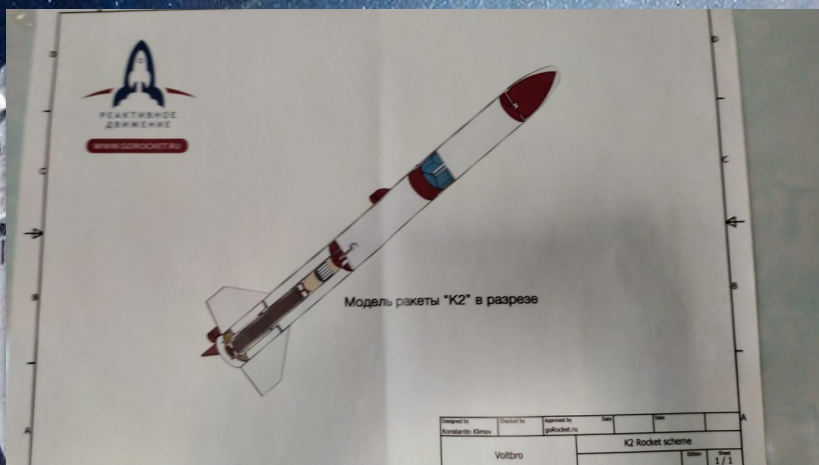


Сергей Королёв и легендарная Р-7



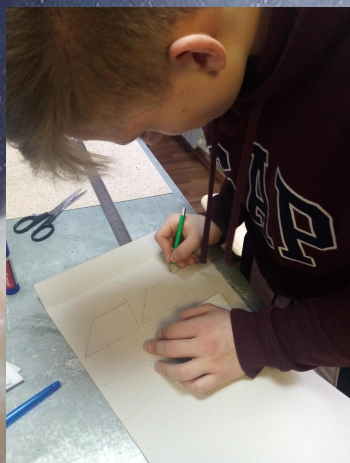


# Первые 3 дня занятий.



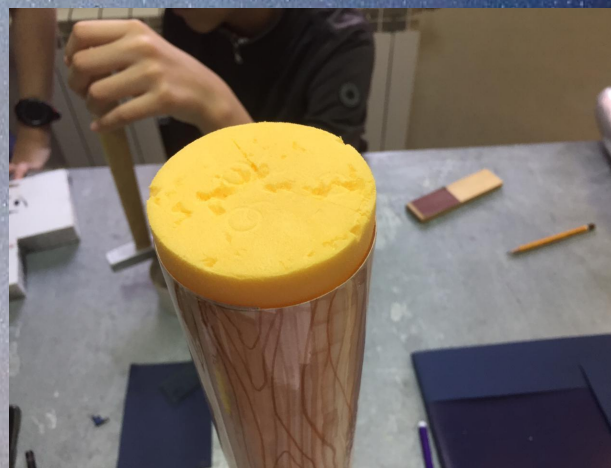


# День 4



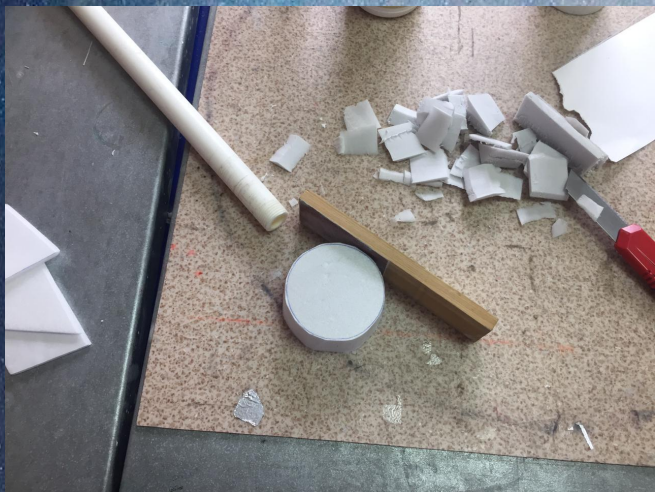


# День 5





# День 6





# День 7





# День 8





# День 9



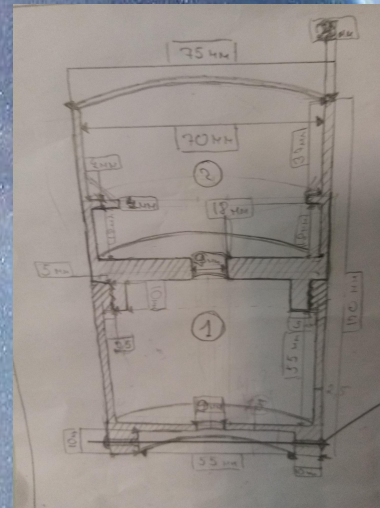
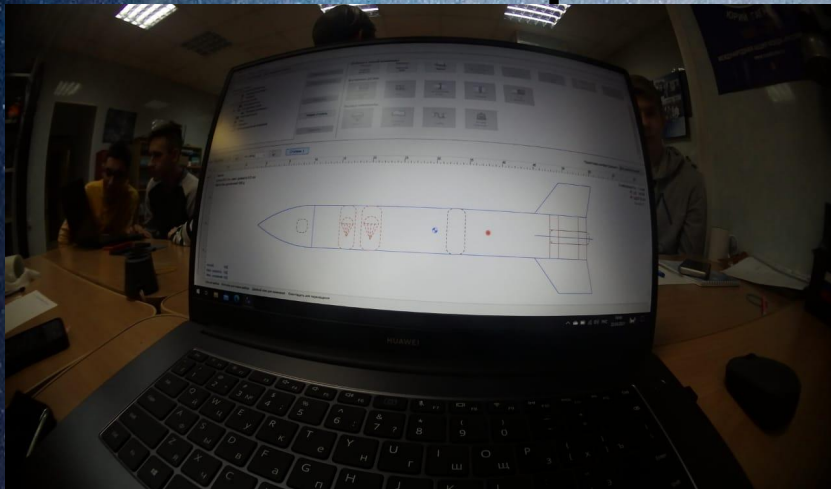


# День 10





# Подробнее про цель запуска ракеты.



Расчет парашюта

Температура	$R_{\text{л}}$ , кг/м <sup>2</sup>
+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	1.463
-30	1.515

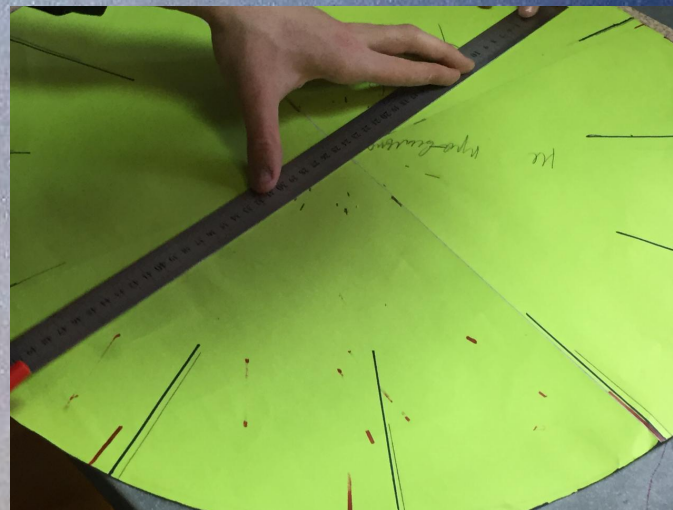
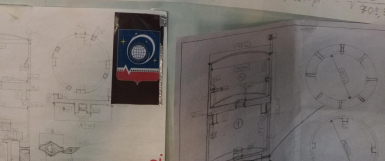

Площадь парашюта  $S = 2 \text{ m}^2$

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

$S = \pi \cdot (R_{\text{л}})^2$

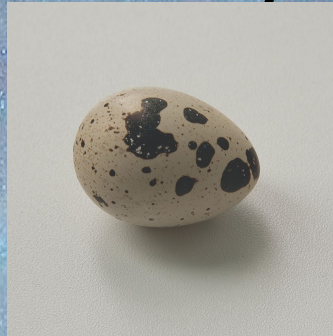
$R_{\text{л}} = R / 15$

$C_x = 0.75$  для плоского парашюта  
 $C_x = 1.0$  для круглого парашюта  
Диаметр строп  $d = 2.4 \text{ мм}$   
 $g = 9.81 \text{ м/с}^2$





# 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 scene is illuminated by the bright light of the rocket's engines and the distant stars.

**Спасибо за внимание!**

Сделано командой «Poultry».