1. What is that?It is a model of human arm and a sign language interpreter.
2. What is it made of?

The model was printed on 3D printer from ABS-plastic. Also it includes five servo-drivers and connecting elements.

1. How does it work?The model is controlled by Android app. Application takes a text or recognizes your speech and sends data to the model. Model’s computer translates it into sign language and shows signs via its own fingers.
2. How does Android app work?  
   While we were working with our project, we developed an android application to simplify model control. It includes three control modes: text mode, speech recognition mode and manual mode. Text mode allows you to type text, which will be translated via the model, into the app, speech recognition mode allows to say a text, which will be recognized and translated, and manual mode allows you to set the level of flexibility for each finger manually.
3. Who made it?  
   This project was developed and created by Daniil Kalinin and Kirill Radkin, students of Lyceum 97, Chelyabinsk city, Russia.Academic supervisor – Damir Muratovich Sakanov, teacher of additional education, Lyceum 97.
4. Why is it useful?  
   The fact is that people with hearing disabilities perceive gestures faster than written text, just as healthy people perceive speech faster than text. That is why we find this project useful. It can be used on public presentations as a duplicator of speech. Also, it can be used as a helper in teaching sign-language.