

Welcome!

Engineering is...

**...turning the
cutting-edge
science of today
into the everyday
technology of
tomorrow.**

Bionic Limbs



Who helps build bionic limbs?



Engineers!

Who helps design & build bionic limbs?



Engineers!

Doctors!

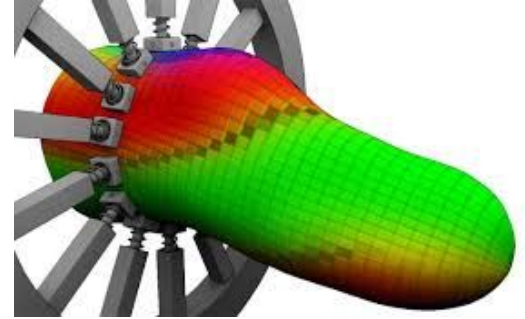


Who helps design & build bionic limbs?



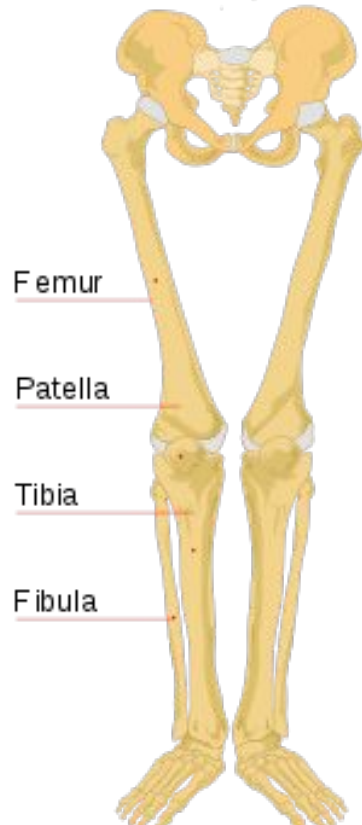
Engineers!

Doctors!

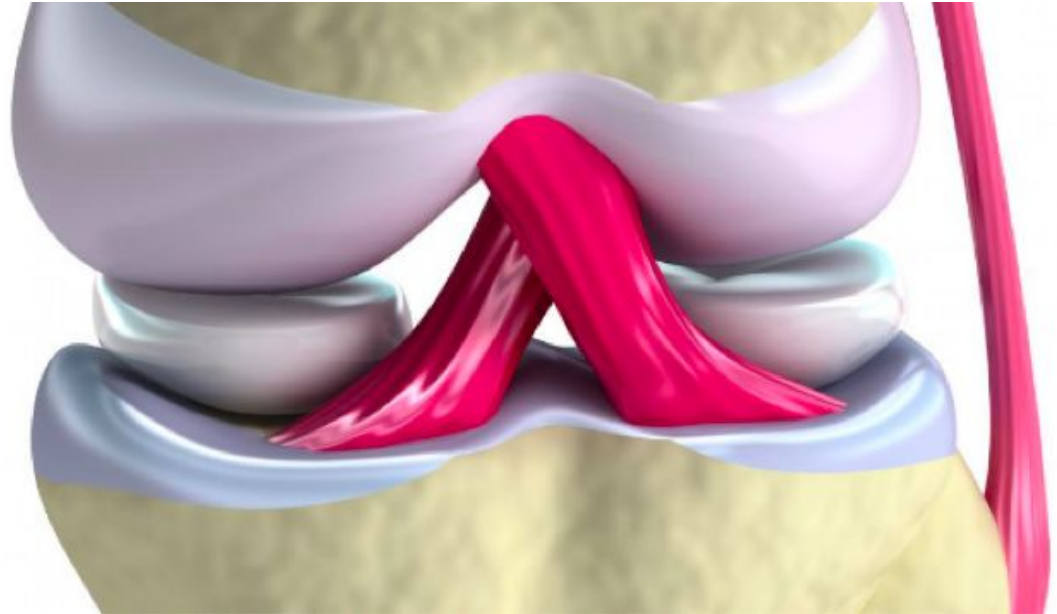


Designers!

How our Joints and Muscles work together to create body movement



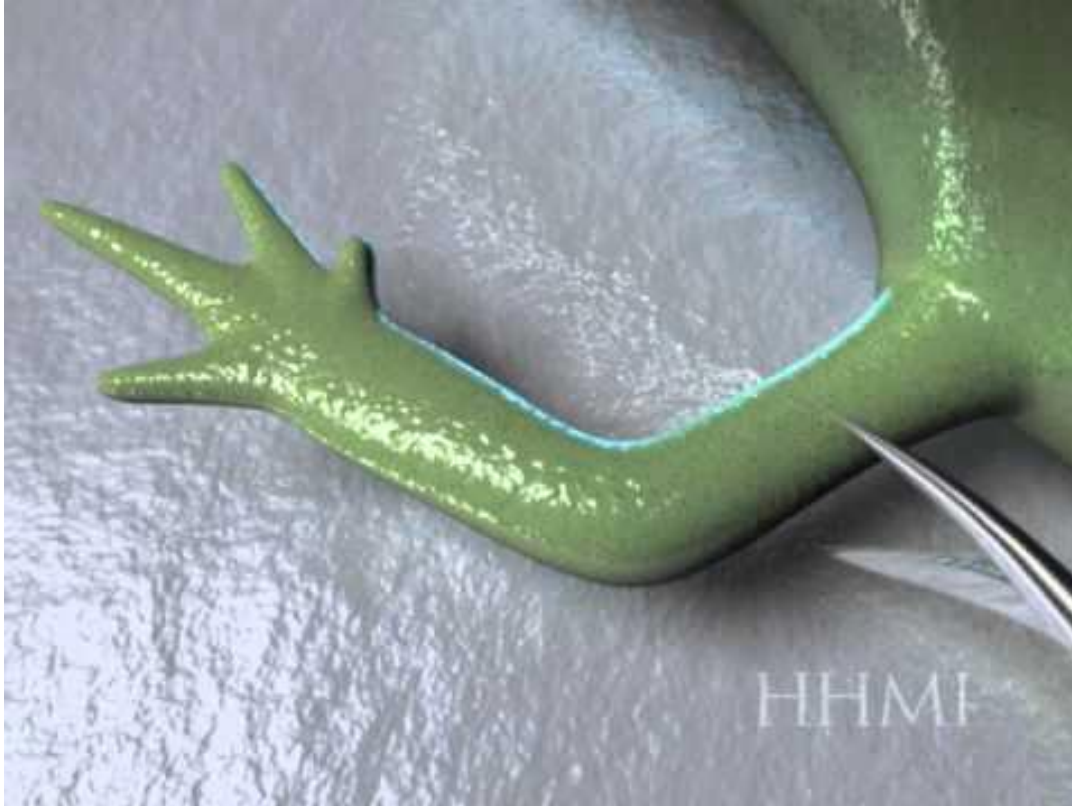
Knee Joint with ligaments in pink



Brain controls your anatomical movement



Regenerating Limbs in Salamanders



Phantom Limb



Bionic Limbs

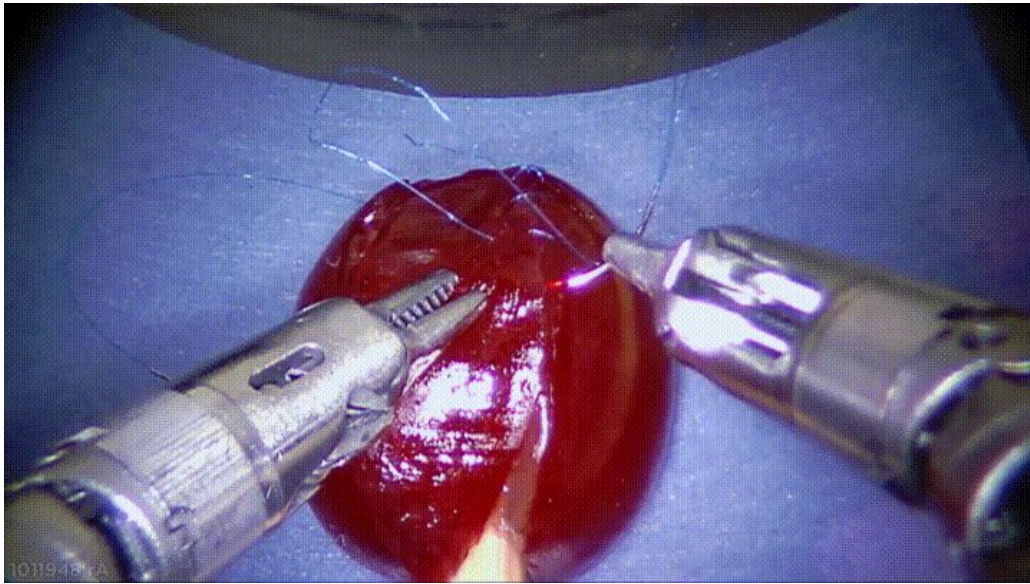


And Electromyography

Tendons for Animals and Robots



Tendons for Robots



DIY Tendons



Adding a Servo Motor Controller

Switch to the Arduino IDE

Electromyography

