

COOL THINGS YOU CAN MAKE WITH A 3D PRINTER

PROSTHETIC ARM



Katelyn Vinick, from Texas, was born without a fully-formed left hand. The family's search for alternatives led them to Clear Lake City-County Freeman Branch Library, home of the Jocelyn H. Lee Innovation Lab, a free community makerspace containing, among other tools, multiple 3D printers.

SCARVES



Hong Kong-based creative studio Little Factory has created

a striking scarf that is made with letters from the popular Helvetica typeface.

CELL PHONE CASE



BIONIC EAR



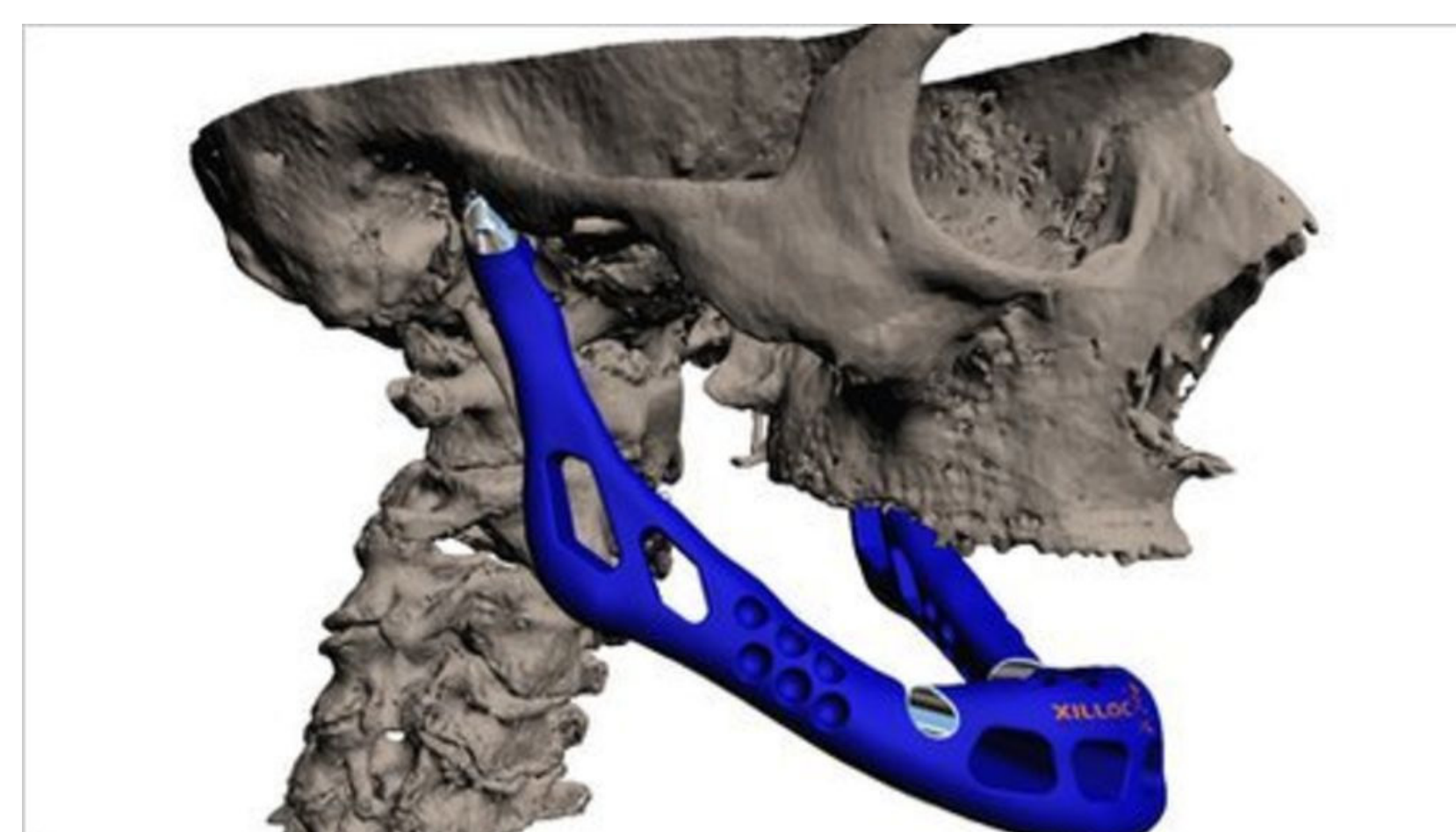
Kai Sherwood was born with a medical condition known as microtia and atresia. These conditions, unfortunately, cause children to be born without one of their ears or a tiny little nub in its place. With the help of an anaplastologist in Salt Lake City, Kai was able to receive a prosthetic ear that was printed off of a 3D printer.

CARS

Strati is the first 3D-printed car built—printed—in Detroit, in collaboration with Oak Ridge National Laboratory in Tennessee. The Strati is a small electric two-seater.



CUPS JAW BONE



Doctors and engineers have joined forces to bring the world its first lower jaw transplant using a prosthetic jaw made by a 3D printer.

LEGO



SIGN LANGUAGE



At an event in Italy, called the Udine3D, a project called MANipulate to Communicate was created by

local student, Elena Dall'Antonia. It consists of a complex system to help children with visual and hearing disabilities through the use of physical models of hands.

CANDY JEWELRY



HOUSE

Chinese construction company HuaShang Tengda has created a two-story house in a month and a half that is 400-square-meters all done using a 3D printer.

CORAL REEF

Teams in Bahrain and Monaco have manufactured pastel-colored sandstone reefs with the same shape and texture of coral. Sandstone's neutral pH makes the artificial reefs an attractive destination for baby coral polyps.



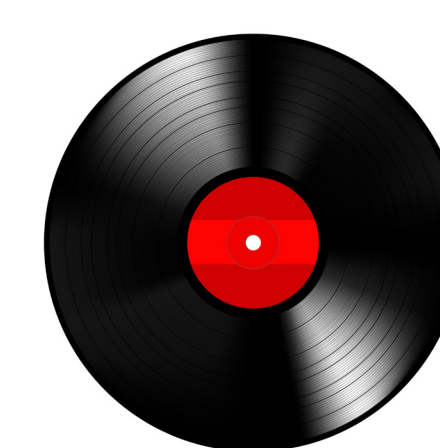
CHOCOLATE



GUITAR



VINYL RECORD



SNEAKERS



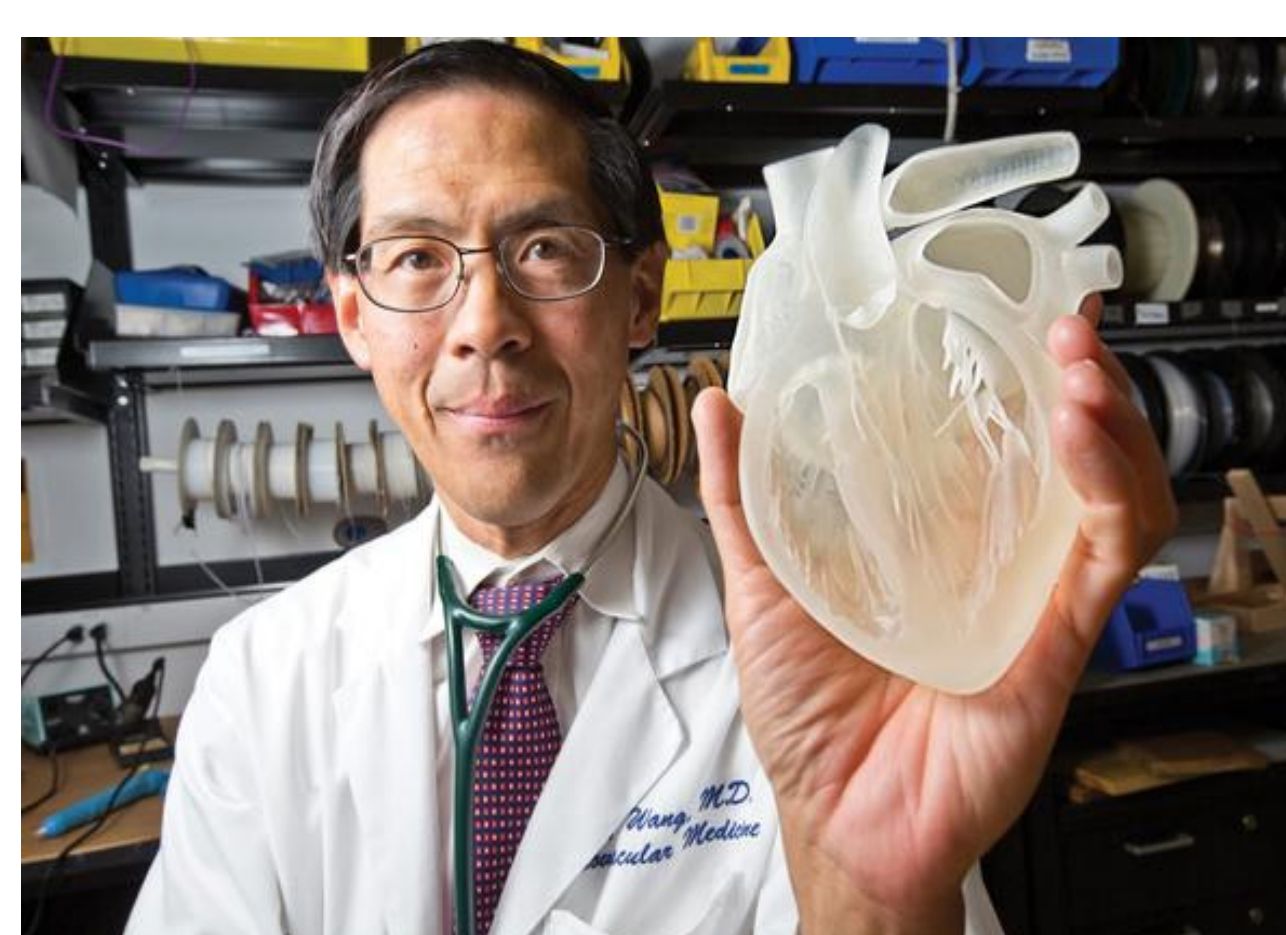
UTENSILS

BICYCLE



Engineering students in the Netherlands from Delft University of Technology created a 3D bicycle they named "Arc" – the first-ever metal bicycle to be produced using a 3D printing machine and welding process.

HEART



Chinese doctors successfully performed a dangerous open heart surgery on a nine-month old baby suffering from a severe heart defect using a 3D printed heart model to plan the surgery.