

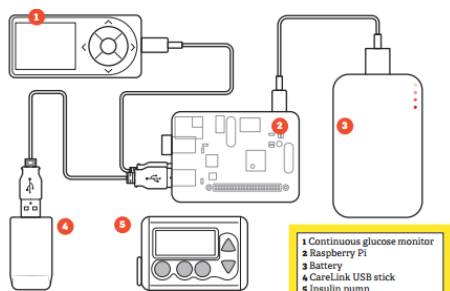
# Weekly Discovery

We SHARE to inspire and ignite ideas!

18 January 2016 – 22 January 2016

DIY

## Hacker Medicine



To constantly monitor their blood sugar levels, a couple developed their own DIY system loaded on to a Raspberry Pi and connected to a battery, a glucose monitor and a medical USB stick. Known as [#DIYPS](#) (the Do-It-Yourself Pancreas System), it also ensures the diabetic gets the correct insulin dosage when needed. You could give it a go using its [partial codebase and reference design online](#).

Source: [Popular Science](#) (January 2016)

SCIENCE

## The Carbon Capture Fallacy

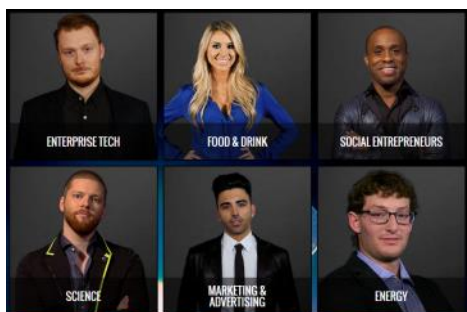


Carbon-trapping technology is currently being used in reducing global warming. This article mentions that it is unlikely that this technology will be feasible in the long run. The main reason for this is due to the need for large, expensive power plants for carbon capture and the need to use a lot of land to erect such plants, providing a different perspective on carbon-trapping technology.

Source: [Scientific American](#) (January 2016)

ENTREPRENEURSHIP

## Forbes 30 Under 30



Be inspired by the success stories of 600 brightest entrepreneurs under 30 years old, who are breakout talents and change makers in 20 different sectors including [consumer technology](#), [enterprise technology](#) and [social entrepreneurship](#)!

Source: [Forbes](#) (February 2016)

SMART MATERIALS

## Smart Bandage



Unsure if your wound below the bandage is healed or you need to keep changing the dressing to apply medicine. Fret not, now there's the smart bandage which can track and automatically release medicine to treat your wound when necessary. A carefully designed matrix consisting of hydrogel as the base material, it incorporates electronic circuits and a drug reservoir. More details about the smart bandage are available in the [original research paper](#).

Source: [Popular Mechanics](#) (January 2016)

INNOVATION

## Gamification Making Minds Playfully Innovate



Using game thinking and mechanics in real-life contexts to solve real-life problem, gamification have been adopted by various industries such as education, retail and so on. This industry research report features 8 innovative gamification solutions followed by insights on global government initiatives (including our National Heritage Board's gamified World of Temasek), funding trends, and patents. Are you game for gamification?

Source: [Frost & Sullivan](#) (January 2016)

TECHNOLOGY

## The Most Powerful Things In The World



Engineers are the people who push the limits of human capabilities – with the help of machines. Wondered how powerful are things at the moment? Check out the most powerful car, the biggest dam, the machine that squeezes metal like play-doh and more. They are the most powerful at the moment, but someone will break the record and that may be you.

Source: [Popular Mechanics](#) (February 2016)