JUNE 18, 2015

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GAETI GAZETTE

Technology is Growing!!!

BYOD

=Bring Your Own Device!!!

Former college football player invents innovative T-shirt for cancer patients

By Nicole Kwan
Published June 18, 2015
FoxNews.com

Connor wearing the ComfPort Port-T, which was designed so a cancer patient can dress like he normally would during treatment. (image courtesy ComfPort)

Five years ago, Connor Cosgrove was diagnosed with leukemia. Little did he know that his experience would lead to a business venture that provides a solution for a common, yet little-discussed issue for chemotherapy patients—discomfort from their port catheters during treatment.

Along with his brother, Clint, 32, the former college football player created ComfPort Port-Ts, T-shirts with functional pockets through which health care providers can access a cancer patient's port catheter to administer chemo. In April, they launched a Kickstarter campaign, raising $38,329 to start up their business.

Connor, 24, and Clint are proud that their project is bringing awareness to chemotherapy patients and the ports that some of them require for treatment.

“Before I was diagnosed with cancer, and I think this is true for our whole family, I didn’t think about it—out of sight, out of mind,” Connor, who now lives in Los Angeles, told FoxNews.com.
Connor spent the summer of 2010 training for his first football season as a wide receiver for the University of Minnesota, where his dad, Kevin, was the defensive coordinator. In hindsight, he realized the excitement distracted him from small symptoms— night sweats with fever and overall fatigue— that, in the end, added up.
“I couldn’t get through a whole practice without sitting down,” Connor said. “That was super frustrating as an athlete… and embarrassing at times. I couldn’t keep going and didn’t know why.”
After about a month of symptoms, he went in for blood work. The results came in quickly and he was told to immediately go to the emergency room, where multiple tests over the next few days led to his final diagnosis— acute lymphoblastic leukemia (ALL). For patients with ALL, the bone marrow overproduces immature lymphocytes, a type of white blood cell.

What is a port catheter?

Connor started chemotherapy the day of his diagnosis and the following day a port catheter was inserted in his chest. He had ten months of intense chemotherapy, then two and a half years of in-treatment chemo, followed by three and a half years of daily oral chemo. He’s been in remission for a year and a half.
A port catheter is a long, hollow tube underneath the skin that attaches to a large vein in the patient’s chest. This central device is useful for patients on long-term chemotherapy, like Connor, because it provides quick access to the vein during treatment, rather than having to look for one every time.
Neither he nor Clint, a college football scout, knew anything about fashion, but submerged themselves into the process in early 2012, talking to pattern makers and testing out designs.
For every ComfPort shirt they sell, the brothers will donate one to a cancer patient.

WHY CHROMEBOOKS?

Designed for users functioning in a mobile and interactive environment, Google Chromebooks give you access to all the rich resources of the web. Unlike traditional notebooks, Chromebooks are engineered to store files and documents on the web, enabling faster boot times, lightning speed web browsing, instant updates and automatically backed up files.

Without the massive internal hard drive, Chromebooks not only deliver extended battery life, but will help safeguard your most important of files. These devices feature built-in virus protection and multiple layers of security to keep your documents safe from virus, malware and spyware.

Did we mention cost savings? Not only are Chromebook units more affordable than traditional notebooks, the time and money you will NOT spend on deployment, management and support is a huge bonus. Chromebooks put money back in your budget.

GOOGLE FOR EDUCATION

Introducing Classroom

Classroom is part of Google Apps for Education, a free suite of productivity tools that includes email, documents and storage. More than 30 million students, teachers, and administrators in schools around the world use Google Apps for Education.

Classroom makes it easier to use Google Apps – like Docs and Drive – giving teachers more time to teach and students more time to learn.

More teaching, less tech-ing

Classroom was designed hand-in-hand with teachers to help them save time, keep classes organized, and improve communication with students.

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HOW TECHNOLOGY IS HELPING SPECIAL-NEEDS STUDENTS EXCEL

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Teachers are able to assign work to their students in a flash, therefore maximizing student learning in the classroom.”
—Paul Lepore, 8th grade Social Studies, Felix Festa Middle School, NY

How Classroom Works
Classroom lets teachers create assignments, make announcements, and start class discussion.
Simplified assignment process
With Classroom, creating assignments in Google Apps for Education is much easier. You can attach a Document from Google Drive, share YouTube videos, or send website links. Set a due date for each individual assignment. After you press “Assign,” Classroom works in the background to automatically file all assignments and class materials into f olders organized in Google Drive.
Class announcements & discussion
Communicate directly with your students in the real-time activity stream.
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Read, it’s a Life-Time NEED!!!

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Essential Science Tools that Use Technology in the Classroom

By: Science Under the Microscope

I am a Science teacher and a techie. With this admission comes the fact that I love to find novel ways to incorporate technology in the classroom into my lessons. My students have learned that whenever I find a new tool, I'll bring it in and together we'll brainstorm ways to use it to help us be more effective and engaged scientists.

I know there is great variety in the resources available to Science teachers in school across the country. If you have a tight budget and need to outfit a Science classroom, here is what my students and I consider the six most important pieces of technology in the classroom for every Science teacher to use.

Digital Projector (LCD or DLP)

I wish we could take for granted that every Science teacher has one of these in her classroom, but I know that not every school can afford these $600+ devices. However, without a projector much of the cool technology can't really come together and reach your students. Don't forget that the replacement lamps cost up to $300, so do what you can to save that lamp.

Document Camera

It's amazing to me that this simple technology in the classroom (a camera on a flexible neck that connects to a projector) has taken so long to become more common in classrooms across America. By allowing a teacher to display almost anything (images, lab demonstrations, objects, student work, etc.) on the "big screen" in front of everyone, my document camera has become something I use nearly every minute of every day. Better yet, students get excited about showing off their work or reporting out their team's data to the class with this

device.

Livescribe SmartPen

These pens are incredible! With no extra instruction, a child can use one to write or draw something on special paper and record whatever audio its microphone hears. After a 10-second sync to my laptop, I can post and share the video replay of whatever the student wrote on the paper with the audio as voice-over. My students use them to explain tough concepts, record team brainstorming sessions, and even capture classroom notes for students who are absent.

Student Response System ("Clickers")

Formative assessment that leads to differentiation and remediation is the cornerstone of effective teaching. You can't really teach students if you don't know what they know--at the start, middle, and end of the lesson. Clicker systems take much of the pressure off of teachers to design, administer, and score these short formative assessments. Along with my Professional Learning Team, I create a simple set of questions at the start of every unit. Then, I use them as a pre-test, progress check, and review for the final test. Once the questions are entered into the software, it takes only a few seconds for students to complete the assessment and for you to see the results. Newer models even allow open-ended responses.

Pocket Camcorders ("Flip-style Cameras")

There is hardly a teacher I know who isn't familiar with these by now. Combining affordability, ruggedness, and ease of use, these devices have become the best way to capture video at school. In the Science classroom, they can be used to create instructional videos (by students or the teacher), demonstrate lab activities, and even have students narrate nature walks. My students use one on field trips to record the exciting moments for those who could not join us.

Probeware

While this may sound like alien gadgetry, probeware is just a tool for collecting data during class experiments. Usually you get an interface with ports for connecting probes that measure temperature, light, pressure, electric current, and others. Start with one or two types of probes and add on later as your budget allows.