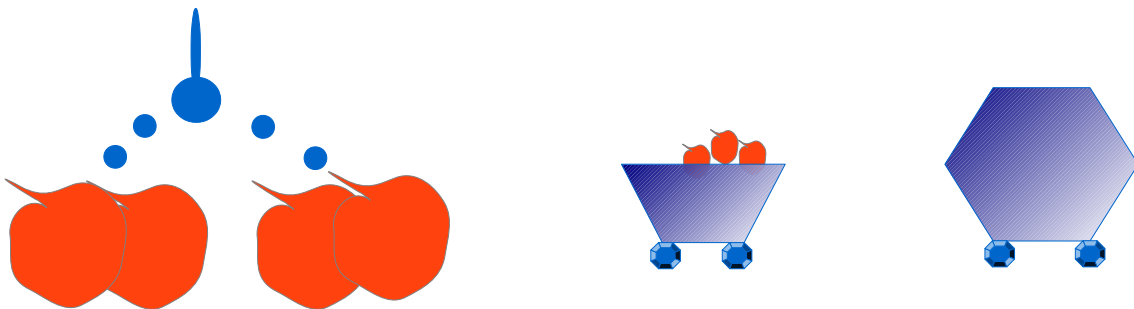


5G Ideas by Kathryn Nussdorf

1. Parsing through **clothing** stores by item description. For instance if you need a short sleeved pink top. You can set parameters as to size, fabric, cut, price, brand, item number (if you saw another size in a shop but they didn't have your size), or model name. It then locates all pink shirts in Berlin and shows them to you and where they are located. Then you can either go to the store, having reserved the shirt for 24 hours let's say, or ask for it to be sent to you.
2. Virtual **classroom**. Teaching at home. Everyone is at home but connected with each other by skype. Everyone can see and hear each other.
3. **Food shopping at home**. Your refrigerator is equipped with sensors that can read the bar code on the products in it and so can tell when something is getting low. For items that don't have a bar code, such as fruit and vegetables, there are certain compartments where you can place them and then type the item into the fridge, which then monitors the condition and amount and which automatically knows how to take care of such items. When items start running low, they will appear on an electronic tablet on the door of the fridge. When you are ready, you press a button that activates a shopping drone, which then flies to the grocery store. You can also choose to buy some items and not others, by tapping the tablet. The lit items will be picked up by the drone.

In the store there are cameras over the products. You can see the selection, sell-by date, ingredients, price. For fruit and vegetables, there is an infrared sensor that detects the maturity of the produce: ready to eat, eat in 1, 2, 3 days, overripe, bruise on one side or inside. You can tell the sensors what to look for and what state it should be in. When you choose your products, they are placed in your closed, self-driving shopping cart. The total price is always shown on the screen. Then you check out when the cart goes past a scanner, and the amount is debited from your bank account or credit card.



The products are then delivered via this shopping cart to your house, after which the cart returns to the store. How to prevent theft? The cart drives at the speed of a bike on the street, so difficult to interrupt path. It is closed so no one can see what is inside. Maybe the carts do not even advertise the store, but are anonymous.

The cart may look like an adult tricycle. How to get up the stairs? People who don't have elevators will have a basket-like structure that they can lower down from their window to the street, which can lift their purchases.

Or the cart behaves like a drone, flying from the store and hovering at your window. Perhaps one window per apartment, or per floor, will have a "landing" zone for drones to land to make deliveries. Perhaps the drone will be owned by individuals and the drone is sent out to the store to make these purchases and works in coordination with sensors in the store, which you are monitoring online.

