

From Cow to Cup— Tech Style!



Technology on our farm helps us moo-ve the milk from cow to cup!

Here are some cool ways we use technology to keep our cows healthy, happy, and productive. Can you match the process to the name of the tech tool used? Check out the poster to learn more about these devices and the links next to the descriptions below to see some of them in action!

Tech Tools



1. Cow Manager System



2. Automatic Feed Pusher



3. Pedometer



4. Robotic Milker



5. Robotic Calf Feeding System



6. PocketDairy App

Process

- ___ **A.** This cool device lets the cow get milked when she wants to and only takes between two and five minutes. It also removes bacteria from her udder and keeps her very clean to produce pure, wholesome milk. See one in action at [youtube.com/watch?v=4ahez-7cDdM](https://www.youtube.com/watch?v=4ahez-7cDdM).
- ___ **B.** Knowing how many steps a cow takes each day lets the farmer keep track of her activity level. If she doesn't take as many steps as she should, it could mean she's sick and may need a vet.
- ___ **C.** This tiny object fastened to the cow's ear measures her temperature and how much time she spends eating each day. It can even register whether or not she is ruminating, or digesting, her feed.
- ___ **D.** This machine provides warm milk to calves at regular intervals throughout the day. And boy, do they love that! See one in action at [youtube.com/watch?v=OpSjfCBycNM](https://www.youtube.com/watch?v=OpSjfCBycNM).
- ___ **E.** Did you know cows are picky eaters? They like to find the best parts of their feed first! Trouble is, they push feed away in the process. This clever machine pushes the feed back so they clean their plates – uh, make that their troughs! See one in action at [youtube.com/watch?v=4-PWgrXI2Ck](https://www.youtube.com/watch?v=4-PWgrXI2Ck).
- ___ **F.** Keeping up with every cow in the herd is a big job. Luckily, there's an app for that!



You and your family use technology for fun or to help with things around the house, too — devices that track your health or fitness performance, dishwashers and robotic vacuum cleaners to make cleaning tasks easier, vending and ice machines that dispense your favorite drink and the ice to cool it with and, of course, your smartphone or tablet loaded with a fun game app.

Study the farm technology on the poster and see if you can name something you or your family uses that performs a similar kind of function. For example, both cows and humans wear pedometers to track their steps! Share your ideas in a class discussion.

