

Name:

Date:

Class:

# Everyday Technologies Sheet

## Challenge Wall Examples

### Transportation Examples

- ☐ I don't know when my ride is arriving.
- ☐ The bus or car can get too hot or too cold.
- ☐ I sometimes forget things when getting out of the car or bus.
- ☐ It can be difficult to see when walking or biking after dark.
- ☐ Drivers do not always notice cyclists or pedestrians.
- ☐ I sometimes miss my stop because I am distracted.
- ☐ There are not always enough seats on the bus.
- ☐ Traffic makes it difficult to arrive at school on time.
- ☐ Crossing busy streets can feel unsafe.
- ☐ It can be hard to hear announcements on the bus or train.
- ☐ Long rides can be boring.
- ☐ It is difficult to carry a backpack or other belongings while biking.
- ☐ I don't always know the safest route to walk or bike.
- ☐ Cars sometimes drive too fast near schools or neighborhoods.
- ☐ It can be difficult for people with disabilities to use some forms of transportation.
- ☐ Bad weather makes walking, biking, or waiting for transportation difficult.
- ☐ People using cars, bikes, scooters, and walking have difficulty communicating with each other.
- ☐ I have to call out loudly to the driver when I need to get off.

### School Examples

- ☐ I forget which books I need for class.
- ☐ My backpack gets too heavy.
- ☐ I sometimes forget to bring my homework.
- ☐ I lose my pencils and supplies.
- ☐ It is hard to know when class time is almost over.
- ☐ Our classroom gets too hot or too cold.
- ☐ I forget to drink water during the school day.
- ☐ It is difficult to concentrate when the classroom gets noisy.
- ☐ I sometimes leave my belongings in another classroom.
- ☐ Students sometimes compare themselves to other students.
- ☐ We have no breaks or not enough breaks during the school day.
- ☐ Schoolmates sometimes judge others based on their appearance before getting to know them.
- ☐ The alarm tone that signals the end of class is annoying.

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### Home Examples

- ☐ I forget to water my plants.
- ☐ I sometimes leave the lights on when I leave a room.
- ☐ I forget to feed my pet on time.
- ☐ I sometimes forget to do my chores.
- ☐ It is hard to keep my room organized.
- ☐ I sometimes forget where I put things at home.
- ☐ It is hard to find things when a room is dark.
- ☐ My family sometimes forgets when something needs to be done.
- ☐ It is hard to tell when plants need water.
- ☐ It can be difficult to know whether a room is too hot or too cold.
- ☐ We sometimes waste electricity by leaving devices or lights on.
- ☐ It can be difficult to divide chores fairly among family members.
- ☐ We sometimes forget when household tasks need to be completed.
- ☐ It can be hard to concentrate when the house is noisy.
- ☐ Family members sometimes interrupt each other when they are busy.
- ☐ We sometimes forget food until it goes bad.
- ☐ It can be difficult to remember important family activities or events.
- ☐ There is too much housework to do.
- ☐ My family rarely gets to spend time together.
- ☐ People in my family have different opinions about what temperature the air conditioner should be set to.

### Street Examples

- ☐ There are some dark areas on the street at night.
- ☐ It can be difficult for drivers to see pedestrians at night.
- ☐ It can be difficult for drivers to notice cyclists.
- ☐ Cars sometimes drive too fast in areas where people are walking.
- ☐ Some sidewalks are crowded or difficult to walk on.
- ☐ Some sidewalks are uneven or damaged.
- ☐ There is sometimes trash on the street or sidewalk.
- ☐ It can be difficult to find a place to sit in some public spaces.
- ☐ It is difficult to know when it is too hot to exercise or play outside.
- ☐ People sometimes leave their belongings behind in public places.
- ☐ It can be difficult to find your way around an unfamiliar neighborhood.
- ☐ Cyclists, pedestrians, and drivers sometimes have difficulty communicating with each other.
- ☐ Some areas do not have enough shade on hot days.
- ☐ It can be difficult to know when it is safe to cross a busy road.
- ☐ People sometimes do not notice someone approaching from behind.
- ☐ It can be difficult to find a safe place to park a bicycle or scooter.
- ☐ Crossing the street does not always feel safe.
- ☐ It is too hot to stand on the sidewalk and wait for the bus.

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## Everyday Technology Examples

### Car

**Car:** Imagine a time when cities became larger as populations grew, making it difficult for people to walk long distances to school, work, or other places. What problem(s) did cars help solve?

**Problem:** People needed a faster and easier way to travel longer distances.

**Technology:** Car engines and motor vehicles enable people to travel farther and faster with less physical effort.

### Phone

**Phone:** Imagine a time when you needed one month or more to send a letter and receive a reply from a relative or friend who lived far away. What problem(s) did phones help solve?

**Problem:** People needed a faster way to communicate with family, friends, and others who were far away.

**Technology:** Telephones allow people to communicate instantly over long distances using voice.

### Mobile Phone

**Mobile Phone:** Imagine a time when you could only make a phone call from your home, workplace, or a public telephone. If you were away from a telephone, you could not easily contact someone. What problem(s) did mobile phones help solve?

**Problem:** People needed a way to communicate with others while on the go and away from a fixed telephone.

**Technology:** Mobile phones allow people to make and receive calls from almost anywhere, without being connected to a fixed telephone line.

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