

Name(s) _____ Period _____ Date _____

Activity Guide - Input and Output



Key Vocabulary:

Input - the information computers get from users, devices, or other computers

Output - the information computers give to users, devices, or other computers

Pet Chooser

Try out the pet chooser app a few times to see how it works. What are its inputs and outputs?

Inputs	Outputs
Questions - Do you have allergies? Do you like going outside? Do you want to play with your pet?	Animals: dog, cat, goat, rat, tarantula, betta fish, etc.

Story Creator

Now try the story creator app a few times. What are its inputs and outputs?

Inputs	Outputs
Fill in the blanks: name, color, food, emotion, city, make a sci-fi or western story	Sci-fi story about an alien who wanted to take over the Earth. Western story about a sheriff and a stranger who comes into town.

Your App Idea

With your partner, think of a new app idea. What does the app do? What inputs and outputs does it need?

What it does	Inputs	Outputs
Helps you pick sunglasses	Picture of you	Picture of you with glasses
Helps you pick a song to listen to	Your mood, kind of music you like - fast, slow, with words/without words	A song you can listen to

Other Inputs

So far, all of the input that we have seen comes directly from the user. With your partner, brainstorm other ways an app might get the information that it needs.

1. microphone
2. camera
3. GPS
- 4.

Improved Pet App

Try out the improved version of the pet app that gives the user information about pet stores close by, which uses new sources of input. Determine the information that the app gets from each source of input.

User	Phone Sensors	Internet
Location - where a user is	GPS	Map with pet stores near user

Your App Idea

How could you use other sources of input to improve your app idea?

use a camera instead of a picture

use the GPS to find a local band and song to recommend