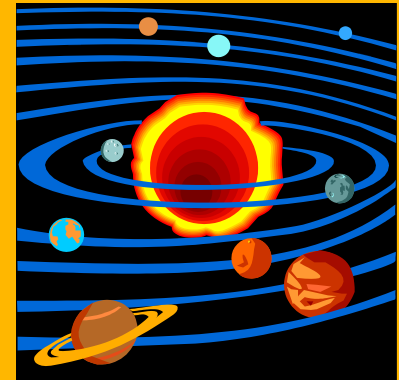


Unit 1 – Lesson 3

The Communication System

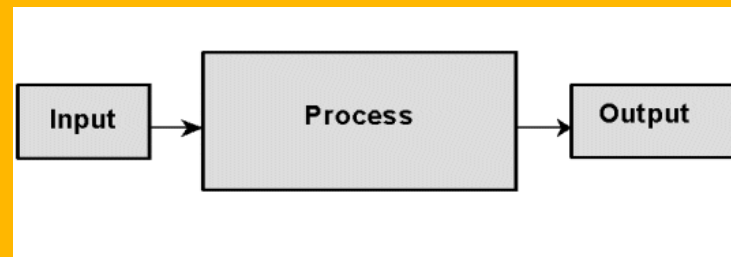
- Communication can be described as a system with the goal of transferring information
- Using this systems approach makes it easier to understand the communication process
- Systems are often used to describe the world
 - e.g. The solar system



Unit 1 – Lesson 3

The Universal Systems Model

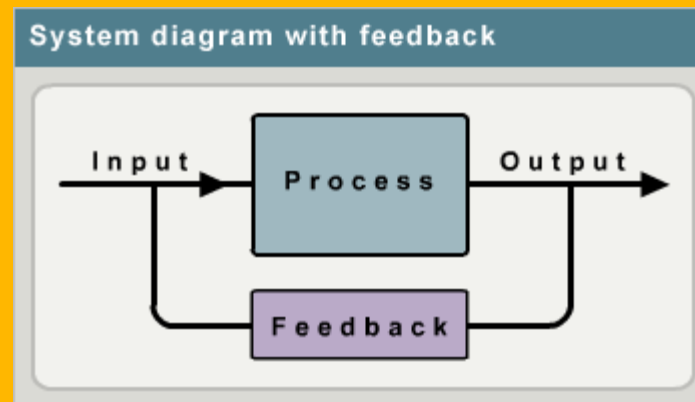
- A system has a purpose or goal, this can be called the desired **OUTPUT** of the system
- The **INPUT**s are the resources necessary for achieving the **OUTPUT**
- The **PROCESS** is the action part of the system, in this step the inputs are changed (or **processed**) achieve the **OUTPUT**



Unit 1 – Lesson 3

Control Systems

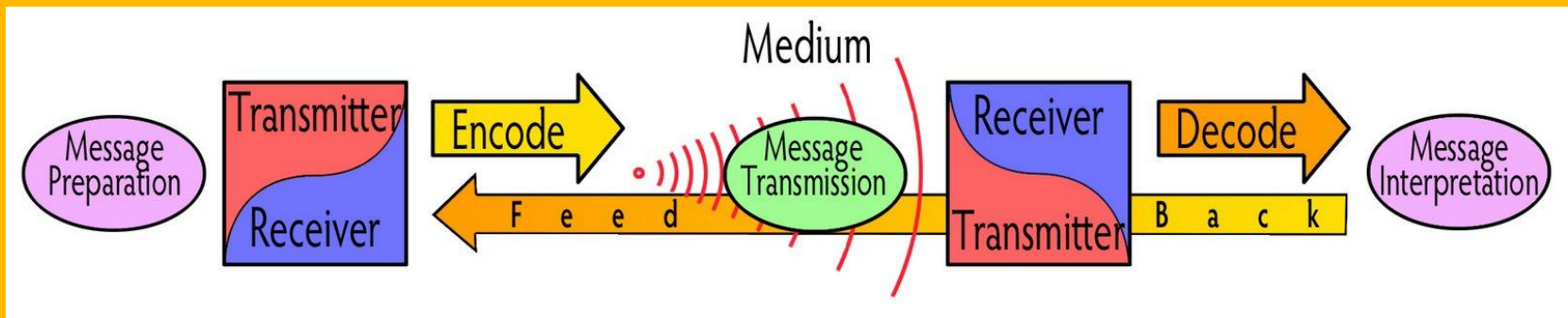
- In many systems, a **FEEDBACK** loop is added
- **FEEDBACK** is a way of determining whether the actual results, or output, is the same as the desired results
 - E.g. – thermostat in your house
- A system with **FEEDBACK** is called a **CONTROL SYSTEM**



Unit 1 – Lesson 3

The Communication System Model

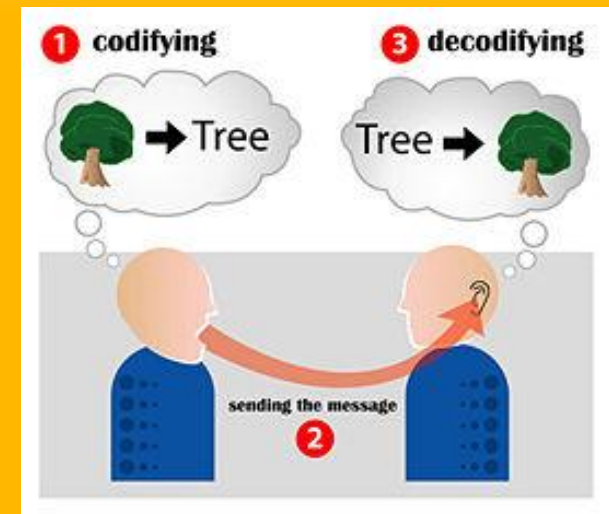
- In a **communication system**, the purpose of the system is the transfer of information, or the sending of a message
- **Inputs** are all of the resources necessary for sending the message.
- **Processing** is the act of communication



Unit 1 – Lesson 3

Human to Human Analogy

- In the case of human to human communication the message source is the speaker
- The message is designed in the speakers mind and **encoded** as speech
- The words are **transmitted** through sound waves (the **medium**)
- The listener is the receiver, they **decode** the message through language comprehension
- **Feedback** can be achieved by a response from the receiver



Unit 1 – Lesson 3

Storing and Retrieving

- Some messages are stored for later use
- Books and magazines store messages until someone reads them
- Video and audio are stored pictures and sound
- Machines are often utilized for the storing process
 - E.g. Tape recorders, cameras, printers



Unit 1 – Lesson 3

Task 3

- If you haven't already taken the online basic computer test, do so today
 - Go to-> http://www.oise.utoronto.ca/disted/Test_Basic.htm
 - there is a link to this page on our class website
 - Not for hand-in
- Login to your PF account
- Open up 'My Computer' from the Desktop
- Navigate to your student directory
 - E.g. H:/123456/
- Create the directory structure shown to the right
- You need to have three main subdirectories in the folder **TGJ3M**:
Assignments, Lessons, Temp
- **Assignments & Lessons** need to contain the **Unit** folders as shown
- Copy lesson 1, lesson 2, and lesson 3 into the Unit 1 folder from our class web page <http://firstclass.smcdsb.on.ca/~jcarron/>

