Name	]	Date	Class	

## **Encoding and Transmitting Analog Data**

*Encode*: To convert information into a particular form.

*Transmit*: To send a signal.

Signal: A gesture, action, sound, or electrical pulse that conveys information.

1. Consider how you and your partner communicated. What information did you want to communicate? How could you encode it? How could you transmit it? Record your thoughts in the chart below.

Information (Message)	Encode	Transmit
Analog Examples:	Analog Examples:	Analog Examples:
Color, Time, Weight,	Words, Microphone,	Speech, PA System,
Temperature, Sound,	AM/FM Radio Stations,	Telephone, Radio, Hand
Length	Tape, Record	Delivery

- 2. Choose something in the classroom to measure (e.g., shoe, temperature of the classroom, weight of a book, height of a desk or student). Without using a tool (e.g., measuring tape, thermometer, scale), how might you gather, encode, and transmit information?
  - Describe the object you want to measure using an illustration and/or words.

	rode your message using an analogy to convey your measurement (e.g., it is as low).
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	What tool would you use for this measurement?
	If you had to communicate this information to a friend who lives in another state, I would you transmit it?
ło	w do you think digital signals or information compares to analog?

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