Transcript for Review of Data Collection:

We are going to review data collection. There are two ways to collect data. One is quantitatively and one is qualitatively. Quantitative data deals with numbers so you can generate numbers on a data sheet, on a chart or a graph. You can aggregate information in percentages or frequency counts. Or you can get a numeric score on a direct assessment such as a pencil and paper test. Qualitatively there can be anecdotal records on student work samples or it could be the work sample itself. Or it could be a teacher observation of everything that is occurring. For the data collection system we are going to start looking at data sheets. And you have to identify which type of data sheet best matches the skill or task you are trying to measure. This is a task analysis. It is a series of steps, whether all the steps are presented at one time, like a total task, or the first couple of steps in the task are presented to the student, such forward chaining, or the last few of steps are presented to start with, like backward chaining. For repeated trial, there are a series of words or other items that are presented to the student each day or during each trial that data is collected upon. For repeated trial when there is only one response, the same response is expected of the student each time the stimulus is presented to the student. For repeated opportunity, these happen throughout the day for the student and so you can see for this task, the student is using their schedule to transition independently throughout their day, so data is recorded as the student has the opportunity to transition. We just keep a tally mark or a count of how many times the behavior is performed. For duration we record the length of the time until the response is given typically. So for this task, the student is to activate a switch in less than 30 seconds, so they are recording how long it takes from the time the prompt is given to activate the switch until they actually activate the switch- the response. For cumulative recording, you can see this is over time. We are looking for responses to increase over time until we reach a certain designated total. In this task, the student is to choose a story that is read by their buddy by an increase of 6 responses per month.