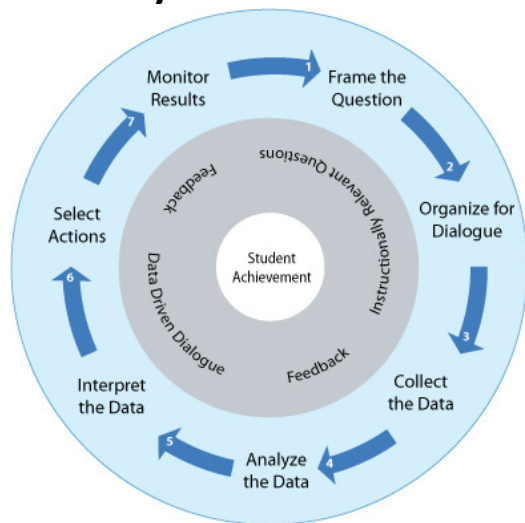


Data Analysis Model and Process



<p>1 Frame the Question</p> <p>The first step in the process is to determine what information and questions need to be answered. This step provides direction and focus to the process.</p> <p>Examples:</p> <ul style="list-style-type: none"> •What do we want to know? •What are we attempting to measure, monitor? •What questions are we asking of the data? 	<p>2 Organize for Dialogue</p> <p>The second step involves organizing the group which will analyze the data.</p> <p>Example:</p> <ul style="list-style-type: none"> •The group may be content specific or have representatives across content areas. 			
<p>3 Collect Data</p> <p>Select the source or sources which will provide the data needed to answer the question(s). Multiple data pieces should be gathered to create a complete representation of the data and information required.</p> <p>Examples:</p> <ul style="list-style-type: none"> •Dashboards •MyData Portal •Chancery •Campus Data Packet •Teacher common assessment results •Student work 	<p>4 Analyze Data</p> <p>This step involves evaluating data using analytical and logical reasoning to examine each component of the data. This will be done by aggregating/disaggregating data and identifying strengths, weaknesses, and anomalies.</p> <p>Examples:</p> <ul style="list-style-type: none"> •What skills, knowledge, and concepts do students have mastery of as evidenced by the data? Which have they not mastered? •Are the observations and inferences that surfaced during the analysis of the student data validated by multiple data points and sources? 	<p>5 Interpret Data</p> <p>At this step, discussion and investigation will take place to identify patterns, trends, and tentative conclusions and explanations.</p> <p>Examples:</p> <ul style="list-style-type: none"> •What inferences and explanations can we draw from these data sets? •What tentative conclusions might we draw? •What important points seem to stand out? •What are some patterns or trends that are emerging? 	<p>6 Select Actions</p> <p>This step will address appropriate data-driven actions and measurable relevant goals.</p> <p>Examples:</p> <ul style="list-style-type: none"> •What does the research say about the effectiveness of the strategies and actions chosen? •What interventions such as re-teaching, Rtl, after school tutoring, computer-aided tutoring, etc. should be implemented? 	<p>7 Monitor Results</p> <p>This step will identify the process and responsible staff for monitoring progress towards relevant goals.</p> <p>Examples:</p> <ul style="list-style-type: none"> •How will implementation of the actions be confirmed? •When and how will student progress be measured? •How will the effectiveness of the strategies and actions be assessed?