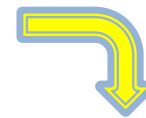


Data Analysis

Introduction

Purpose of Data Analysis

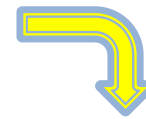
- What is the purpose of data analysis?
 - To describe or summarize data clearly
 - To search for consistent patterns or themes among the data

A close-up photograph of a digital data table with a blue background. The table contains several rows of numerical values, some of which are positive and some are negative, representing data points.

	+2.688
0	+5.000
1	+1.500
0	+1.125
0	+1.062

Purpose of Data Analysis

- Why would it be important in an educational setting?
 - To look for emerging trends
 - As patterns emerge, explanations or conclusions can be drawn which can guide interventions and answer questions

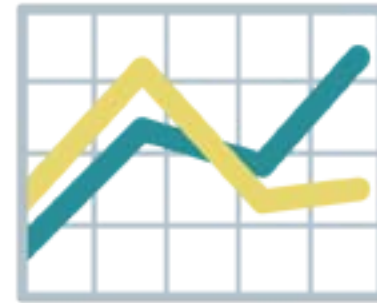
A close-up photograph of a data table with numerical values. The values are positive numbers, likely representing financial data or scores. The table has a grid structure with blue lines.

	+2.688
0	+5.000
1	+1.500
0	+1.125
0	+1.062



Purpose of Data Analysis

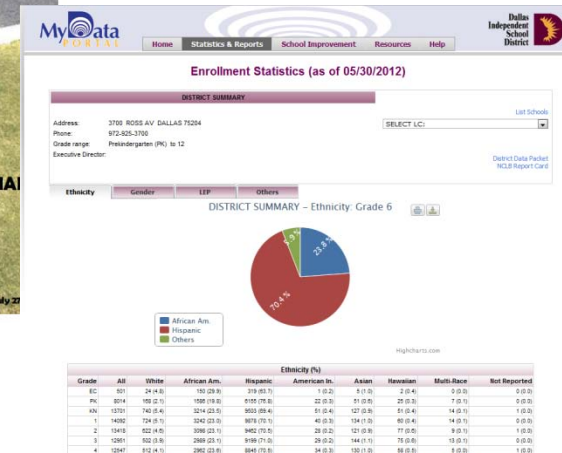
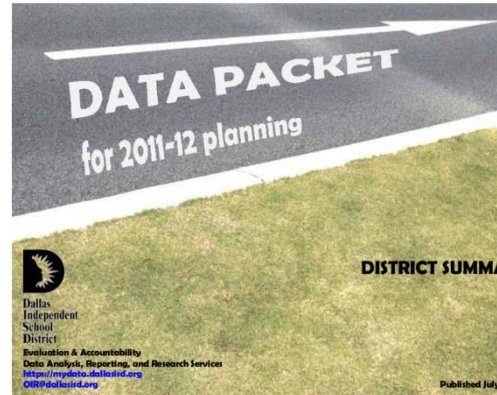
- What is the GOAL?
- To achieve perspective and examine multiple points of data before making a decision



Tools for Data Analysis

- Dallas ISD provides many tools to use for data analysis and to guide instruction.

- Including:
- Campus Data Packets
- Online Portal Tools
- Curriculum Planning Guides
- Data Analysis Resources



Dallas Independent School District
Science Curriculum Planning Guide

Science Grade 7
4th Six Weeks Overview
Knowledge Core

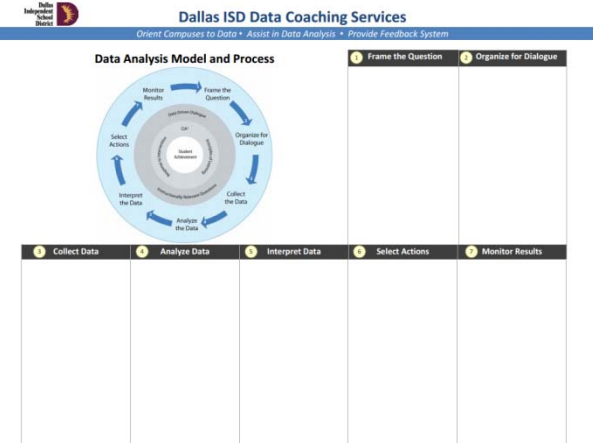
27 Estimated Days of Instruction, Page 1 of 7

Major Concept: Reproductive System organs and functions.

Process Skill: 2A. Plan and implement comparative and descriptive investigations by making observations, asking well-posed questions, and using appropriate equipment and technology during the Reproductive System lesson.

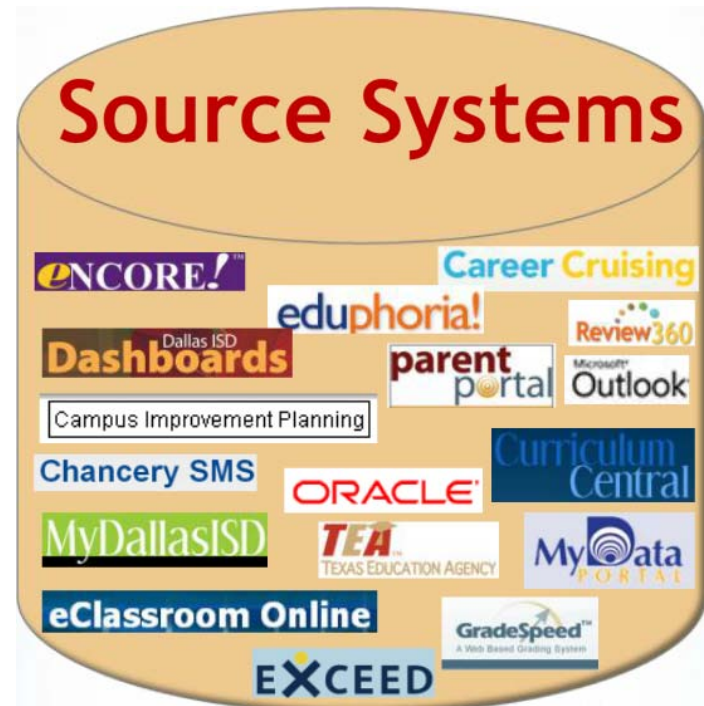
Grade 7 Fourth Six Weeks
Week 1, 2 Days of Instruction, Page 1 of 7

Written Curriculum	Instructional Considerations	Instructional Resources	Tested Curriculum	Intervention/Extension
<p>Texas Essential Knowledge and Skills</p> <p>Organisms and the Environment</p> <p>The student knows that living systems at all levels of organization demonstrate the complementary nature of structure and function.</p> <p>The student is expected to:</p> <p>12B Identify the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, excretory, reproductive, integumentary, nervous, and endocrine systems.</p> <p>English Language Proficiency Standards: ELC.527.5.03.C.1F.04.05</p> <p>College and Career Readiness Standards: L.4.1.1.A.5</p>	<p>Scientific Process Skills are integrated throughout the teaching of the Science Concepts.</p> <p>Essential Vocabulary:</p> <p>Ovules, scrotum, prostate gland, epididymis, vas deferens, urethra, penis, sperm, ovulation, ovaries, um (egg), fallopian tubes, uterus, cervix, vagina, zygote, sperm duct, oviduct.</p> <p>Unit Engage: Students will read and view figures 44, on pp. 559-561 of the male and female reproductive systems. Have students also complete the Science Vocabulary reading and writing strategy to further comprehend the key terms.</p> <p>Essential Understandings:</p> <ul style="list-style-type: none"> Recognize the major organs of the male and female reproductive systems. Distinguish the main functions of the male and female reproductive systems. <p>The teacher will guide students through the following strategies/tasks to reinforce skills and concepts using TENG Clarification 10B.</p> <p>Engage: Students will record the major organs of the male and female reproductive systems in their science notebooks using Ichat.</p> <ul style="list-style-type: none"> Explain: Describe each organ's function during white group discussion. Ask have students to answer the following question: Why do you think the male and female reproductive systems function differently while other systems in the human body have the same function? Such as the circulatory and digestive systems. 	<p>Primary Resources:</p> <p>Glencoe Science, Text Chapter 19 pp. 559-561</p> <p>Texas Safety Standards 6-Grade 11</p> <p>Secondary Resource</p> <p>PowerPoint – Reproductive System</p> <p>Reproduction System Flashcards</p> <p>Videos: Audio</p> <p>Female Reproduction Male Reproduction</p>		



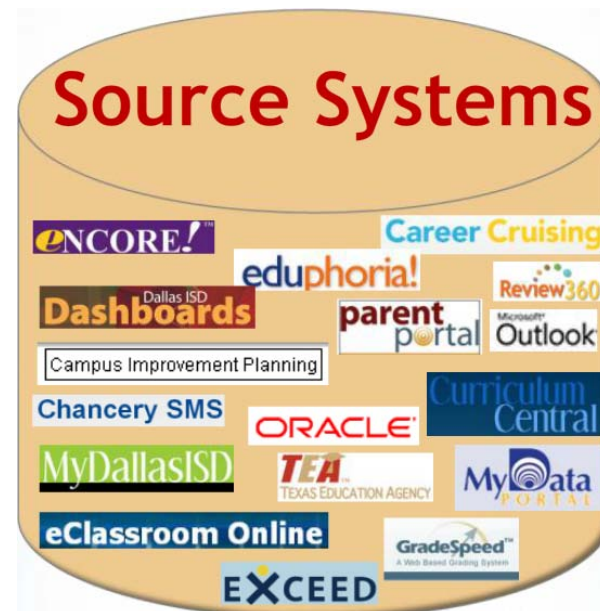
Tools for Data Analysis

- Examining multiple points of data before making student decisions includes reviewing:
 - Assessment Scores
 - GPA
 - Attendance
 - Discipline Data
 - Curriculum
 - Demographic Data



Tools for Data Analysis

- Dallas ISD offers several source systems of data to use for analysis.
- For more information please visit the following location: <http://www.dallasisd.org/Page/14305>



Questions to Consider



- What are the primary concerns about my current instructional program?
- How will information obtained from this data analysis study help to improve my overall instructional program?

Questions to Consider



- What areas (instructional, curricular) need improvement?
- How will I know if that the instructional program is working at top efficiency and effectiveness? (monitor interventions etc...)