



Student Activity Guide: Knowledge Pyramid

Unit 4 Lesson 1

Teacher directions: Make a few copies of this document – 1 to keep as a key and enough to have one set (table) of content for each student team. For each team, cut off the left column labels and then cut apart the rows of one table and place in an envelope. Repeat with each table so that each team has an envelope and 4 strips of related content.

Remove this column for student activity. Data:	A list of overnight low temperatures for a city over the course of a year.
Information:	A table that shows overnight low temperatures paired with number of crimes committed on that day.
Knowledge:	Patterns can be found that show more crime is committed when the temperatures are warm.
Wisdom:	Police and citizens can be alerted to the higher likelihood of crime when the temperature is warmer.

Remove this column for student activity. Data:	A time stamp.
Information:	A listing of tornado information including many kinds of information about each tornado.
Knowledge:	Patterns related to the time of day during which tornadoes cause the most damage or harm the most people.
Wisdom:	Providing information about tornado safety at specific times.



Remove this column for student activity. Data:	35 million
Information:	The population of a certain country and the total area of the country.
Knowledge:	The population density of different countries, sorted from highest to lowest, as well as the amount of disease in those countries.
Wisdom:	Global health initiatives that work to reduce the spread of infectious disease can focus on areas that have the highest population density.

Remove this column for student activity. Data:	A list of GPS locations.
Information:	A list of GPS locations, the ID number of a mobile device that generated that GPS location, and the name of the person who uses that mobile device.
Knowledge:	A guess as to where a person lives and works.
Wisdom:	A company that wants to create a shared car or bike service can see where its users live and work, and then use the information to create optimal routes.



<div>Remove this column for student activity.</div> <div>Data:</div>	Names of people who voted.
Information:	A list of names of people who voted along with their address, as well as census information about all the people who live in a certain area.
Knowledge:	A list of which people are likely to vote in the next election.
Wisdom:	Candidates for political office can target their efforts at people who are likely to vote and who live in a certain area.