## The $2^{\text {nd }}$ Math Project Instructions：

Application of Data Analysis and Representation

Due date： $\qquad$ （not decided）

Share your slides with me．My account：TingHsuan．Liu＠houstonisd．org
Share your survey link to Google Classroom．
Classroom code： $\qquad$ （not confirmed）

|  | 1．决定道题見 decide research topic |
| :---: | :---: |
|  |  <br>  <br> For example，you can choose of the following study group． <br> （1）隼全部的 5 年年级 all the 5 th graders <br> （2）全部的 5 年级男男生生 all the 5 th grade boys <br> （3）全部的 5 年级女生 all the 5th grade girls <br> （4）何老老师班的全部的人的人解 all the students in Mrs．Herrera＇s homeroom <br> （5）何花师班的男男生生 all the boys in Mrs．Herrera＇s homeroom <br> （6）何老老师班的女品生生 all the girls in Mrs．Herrera＇s homeroom |


|  |  group，the more accurate the research result． |
| :---: | :---: |
|  | 3．设计爫简卷 Design survey <br> 你可以把你想知道的问题放进去，以 Google document 或 Google form 设计。 <br> You can put any questions you want to research in your survey．Use Google document or Google form to help you． <br>  webpages to learn more about survey design <br> （1）https：／／www．mathsisfun．com／data／survey－conducting．html <br> （2）https：／／www．surveysystem．com／sdesign．htm\＃goals |
|  |  <br> ＊请将问美连结放在在 Google classroom <br> Please leave the survey link in the Google classroom |
|  | 5．决定要要怎么解读和呈现数据 Decide how to analyze and represent data． <br> 如果你想知道要用什么图形来呈现数据，请参考这个网站。 <br> If you want to know when to choose which graph to represent data，please refer to this website． <br> https：／／nces．ed．gov／nceskids／help／user guide／graph／whentouse．asp <br> 图畧形： <br> （1）点图 dot plot <br> （2）茎叶图 stem－and－leaf plot <br> （3）散㐫布苜 scatter plot |


|  | （4）筑长条条图 bar graph <br> （5）频率图 frequency table <br>  <br> Mind：Each graph／table／plot needs to have a title and the research items and numbers举例来说， <br> 立题：五五年级的人会说的语吾言 Title：Languages 5th graders can speak |  |
| :---: | :---: | :---: |
|  | 语言 Language（research item） | 人数（numbers） |
|  |  | 76 |
|  | 2thon wen | 76 |
|  | 西班冴牚文文 | 23 |
|  | 韩文的 | 3 |
|  | 俄㐫文 | 1 |
|  | 究结果 <br> Practice how to present your resear research result | 报告纸板或其他方式来呈 <br> g slides，tri－folds or other ways to show |
|  | 7．水正式报告告 Formal presen |  |

# Survey Ideas for Students to Graph and Analyze 

## 苛以攸的数据调亘笪和分析等题

Retrieval from https：／／www．thoughtco．com／taking－a－survey－2312607
1．Survey the type（genre）of books people like to read．
2．Survey how many musical instruments a person can list．
3．Survey a favorite sport．
4．Survey a favorite color or number．
5．Survey favorite pets or types of animals．
6．Survey the weather：temperature，precipitation or type of day（hazy，windy，foggy，rainy etc）．

7．Survey a favorite TV show or movie．
8．Survey favorite snack foods，soda flavors，ice cream flavors．
9．Survey favorite holiday locations or favorite all－time holiday．
10．Survey favorite subject in school．
11．Survey number of siblings in a family．
12．Survey amount of time spent watching TV in a week．
13．Survey amount of time spent playing video games．
14．Survey the number of countries people have been．
15．Survey what classmates want to be when they grow up．
16．Survey the types of ads that come on TV over a period of time．
17．Survey the different color of cars that drive by over a specific period of time．
18．Survey the types of ads found in a specific magazine

