

List of titles

The following list gives the titles of some projects that attained a variety of marks. Some titles are more descriptive than others and in most cases the original wording has been retained.

Aesthetics

- o Calculating beauty—the golden ratio
- o Colour preferences
- o Daylight in a classroom—architectural design
- o Is my mirror showing an accurate image?
- o Origami applications to mathematics
- o Shadows and height
- o M.C. Escher: symmetry and infinity of art

Business and finance

- o A comparative study of shares, real estate, bonds and banks
- o Analysis of stock market changes
- o Buying a car—payment options
- o Economic development and levels of income
- o Mortgage loans
- o Running a restaurant and dance club
- o Investigating mobile phone traffic
- o Analysis of basic U.S. stocks over the period 1980–1999
- o Investing in a hotel in Costa Rica
- o Organising a wedding

Food and drink

- o A comparison between calorie intake and gender
- o Dine in or dine out?
- o High school lunches
- o Jelly bean study
- o Take the cola challenge
- o The cookie problem—taste is all-important
- o The operation of a tuck shop
- o Investigating eating trends of today's youth
- o Costs of products bought online compared to local grocery stores

Health and fitness

- o Breakfast and school grades
- o Breast and cervical cancer—ethnic comparison
- o BMI (body mass index)
- o Infant mortality
- o Investigating reaction times
- o A comparison between lung capacity, age, weight and body fat
- o Aids awareness in Maseru
- o Blood pressure

Nature and natural resources

- o Analysis of the cost and utility of gas versus electricity in an average domestic situation
- o Calculating time of sunrise and sunset
- o Earthquakes
- o The quality of local water
- o A statistical investigation of leaves
- o The affect that different temperatures have on the level of growth of bacteria in water from a garden pool
- o Sunspot cycles
- o Animal population

People

- o Characteristics of federal prisoners
- o Gender based discrimination
- o Perception of time
- o The psychology of memory
- o Voter turnout
- o Correlation study of TV versus sleep times
- o Power to weight ratio
- o A study of the effect of colour on human emotions
- o Which type of movies do males/females prefer?
- o Does gender influence choice of favourite animal?
- o Relation between unemployment and criminality in Sweden from 1988–1999
- o Relations between international and bilingual students: jobs, pocket money and spending behaviour

School-based titles

- o Girls' sport and grades
- o Left-handed students
- o Performance of local students compared with foreign students
- o Searching for the ideal sound
- o Sport and nationality

Sport

- o Baseball bat speed compared with body weight
- o Effective short corners in hockey
- o Factors affecting athletic performance
- o Height, weight and swimming performance
- o How far do tennis balls roll?
- o Resistance of fishing line
- o Stoppage times in National Football League (NFL) games
- o Will female swimmers ever overtake male swimmers?
- o Comparing heights from sports data
- o Rollerblading and the maths behind it
- o The effect of sport on grade point average (GPA)
- o Olympic Games in Sydney 2000: track and field times

Travel and transport

- o Cost efficiency of vehicles
- o Driving skills
- o Petrol prices
- o Seat belt use
- o Traffic movement in an urban area
- o Transport safety in town centres
- o Running late and driving habits
- o Traffic study of Schipol International Airport
- o The effect of blood alcohol content law on the number of traffic collisions in Sacramento
- o Public transportation costs and car usage: a personal comparison

Miscellaneous

- o Average puppy weights in the first few weeks
- o Counting weeds
- o International phone call pricing
- o Memory
- o Practice makes perfect
- o Predicting cooling times
- o Sine waves in pitch frequencies
- o Spanning trees
- o Topography and distance
- o Video games and response times
- o The Ferris wheel
- o The geometry involved in billiards

- o Investigation into different brands of batteries
- o Statistical comparison of the number of words in a sentence in different languages
- o How many peas are there in a 500 g box of peas?
- o Correlation between women's participation in higher education and politics from 1955–2000