# GRADE 5 HOMEWORK
# TERM 3 2016: WEEK 9

## Inquiry - RunThatTown

If you have not downloaded the app **RunThatTown,** please do**.** This app uses data from the 2011 census to 'run a town'. The app is FREE! Download it and complete your profile - it is private so we are being eSmart. Begin or continue running your town!

Take a screenshot of part of your town, your popularity and one part of the 'Census' information. Post these screenshots on your blog and write a paragraph about what the information shows - how popular are you? Why do you think your rating is like this? What does the Census information tell you about your town?

## BtN - 'App Creator'

Watch the video below called 'App Creator'.

http://www.abc.net.au/btn/story/s4513462.htm

Over the past few weeks, we have been working on Passion Projects. If you had to design an app that linked to your Passion Project, what would it be?

On an app of your choice, map out the following:
- What the app will look like?
- What will the functions of the app be?
- How will it work for those that use it?
- What do you want your audience to gain from it?
- What will the app be called?

Create a logo for your app too!

## Maths - Analysing and Investigating Problems

Complete the problems below in your **homework book**. Remember to **show all working out.**
**These problems do not have <u>one</u> answer, you will need to do some investigation of things around your house.**

**Level 1.** Investigate the most common height for chairs. Try to suggest a reason for this. Predict before you begin. Think about how you will collect and display your information.

**Level 2.** How many children who are sitting cross-legged on the floor can fit into a space 4 metres long and 2 metres wide?

**Level 3.** *For those who want to explore Fibonacci!*
Investigate number patterns in nature. Number patterns can be seen in the arrangement of petals of flowers and in the way leaves are formatted. They can also be found in sea shells, fruit and seeds. Examine objects that are found in nature (cross-sections of segments in fruits and nuts, fallen branches from trees, the placement of leaves, buds and flowers on branches) to discover patterns and then sort the objects into groups or categories according to criteria.