DISCOVERING PROBABILITY (CHANCE) IN THE GET CLASSROOM.

LUCIA J. VAN RENSBURG AND DESIREE TIMMET

Statistics South Africa

luciajvr@statssa.gov.za

Target audience: GET Teachers (Int. and Senior Phase) and Math Lit.

MOTIVATION FOR WORKSHOP

Due to challenges concerning text books and content familiarity the teacher will receive **2** manuals (with answers supplied) to cover the topics of **Data Handling** and **Probability** in both Senior and Intermediate phase and Mathematical Literacy.

Content of workshop.

The difference between relative frequency and probability will be discovered by the playing of a game and hands on illustrations.

By doing selected problems from manuals the teacher will gain knowledge and confidence in the topic. Manual 2 is a complete study guide for grades 7, 8 and 9 on Probability AND Data Handling provided by Stats SA. All material supplied will be of great assistance in teaching, setting of tests, projects, assignments and examinations.

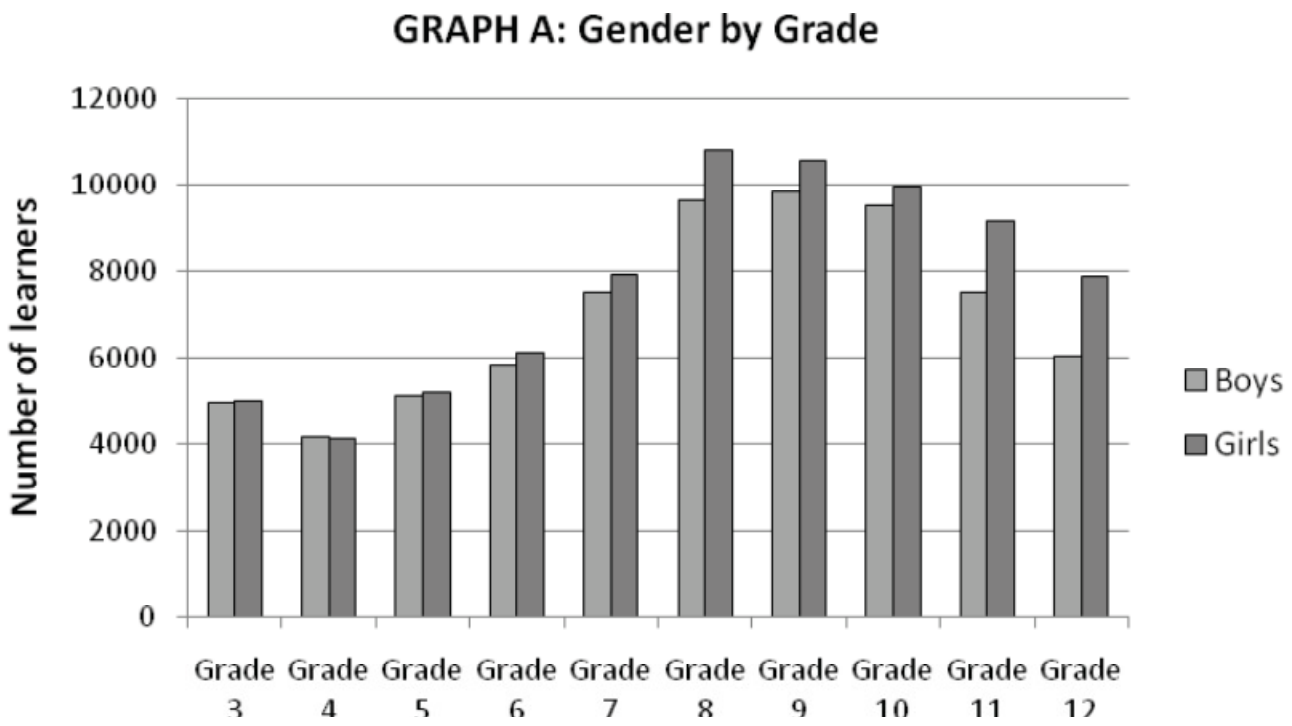
Topics to be addressed in depth are interpretation of some interesting real life Census @ School findings using data and statistical methods, relative frequency and probability (the difference), and tree diagrams.

PROPOSED TIME ALLOCATION FOR WORKSHOP ACTIVITIES

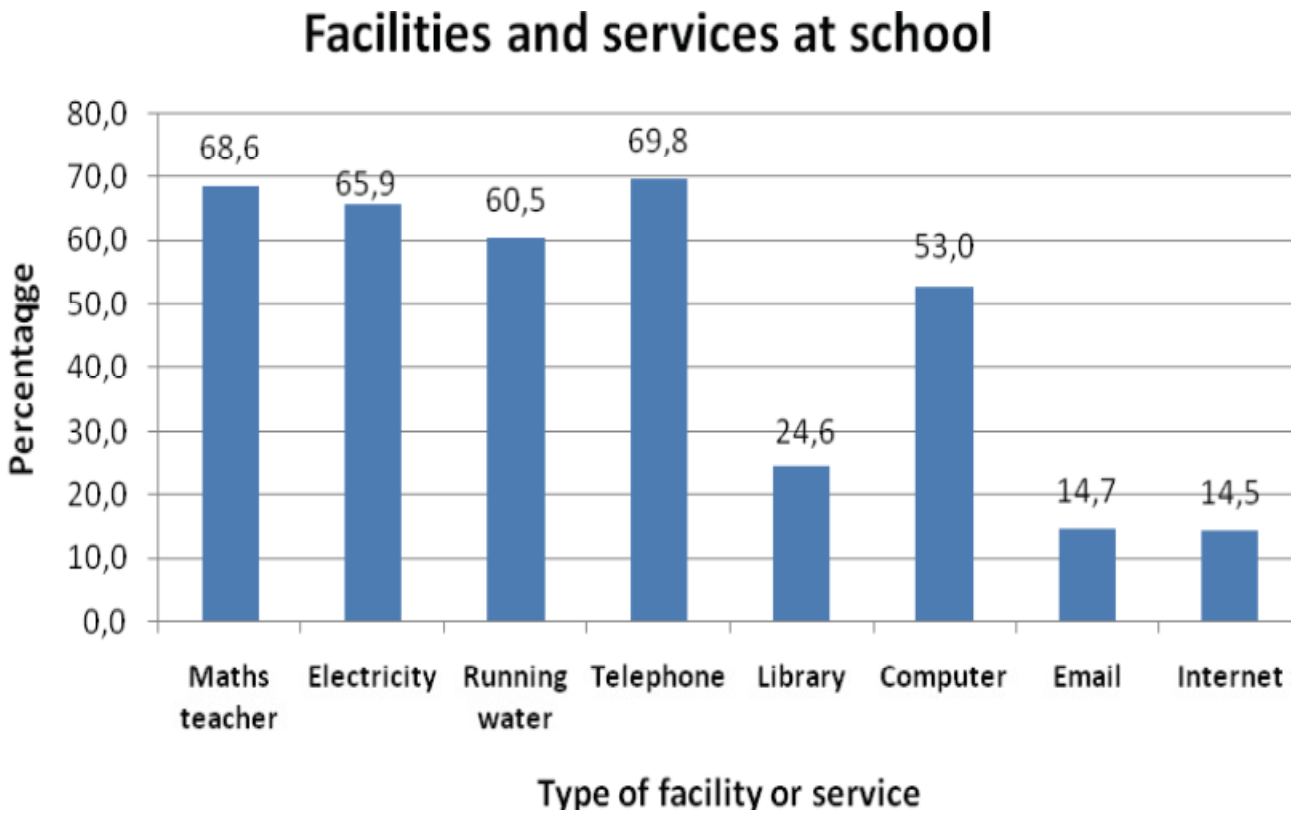
1. Interpretation of C@S Data set in Gr. 10, 11, 12 concerning gender and facilities at school.	10 Min
2. Playing of a Probability game leading to tree diagrams	20 Min
3. The difference between relative frequency and probability.	10 Min
4. The tackling of key probability questions from manuals provided.	20 Min

Activity 1: Discussion around findings of Census @ School project from STATS SA

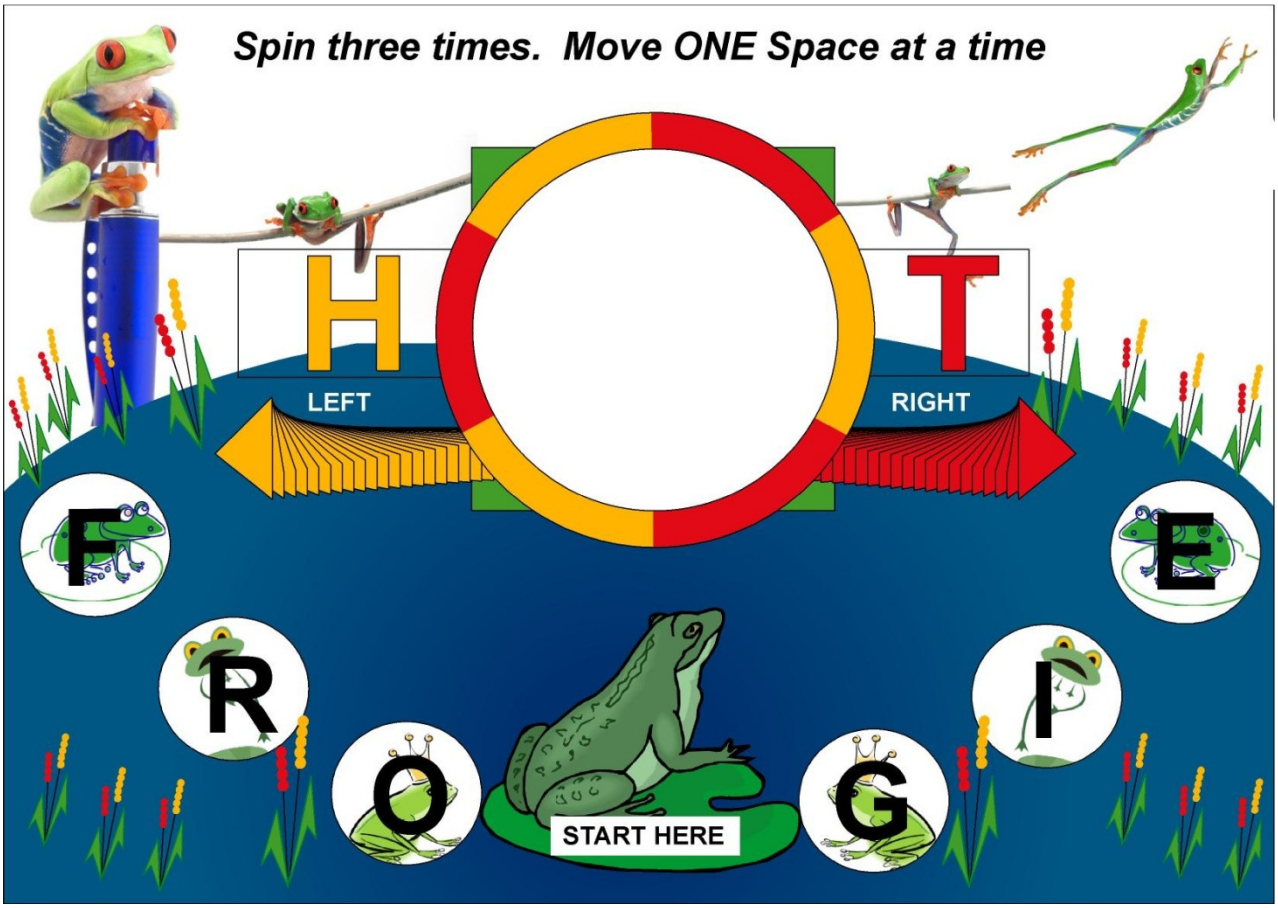
and DBE PUBLICATION STATISTICS.



Source: Census@ School Project 2009



Activity2. The game of chance – Probability -



Source: UKZN Open Statistics Day Activities.

The rules of this game will be supplied and different frequencies by using tree diagrams will be discovered (some with a probability of 0.)

Conclusion:

With the 2 manuals provided by STATS SA and an approach of learning through discovering valuable knowledge will be gained in handling the topics of Probability and Data in the Get Classroom.

- **REFERENCES:**

- Jackie Sheiber, 2009, Data handling in the GET band, RADMASTE Center, University of Witwatersrand.
- Stats SA, 2011, Data handling Grades, 7 8 and 9, HCD (Human Capacity Development.)
- Delia North, Statistics Open day activities, University of KZN.