

# ASSESSING OF ICT IN EARLY CHILDHOOD EDUCATION

# What is **ASSESSMENT**?????

Assessment



# Assessment

- collection of written, oral, observational and performance measures that provide information to determine student abilities and progress toward reaching intended objectives.



# Type of Assessment

## Quantitative

- Numerical measures
- Ex: quiz scores

## Qualitative

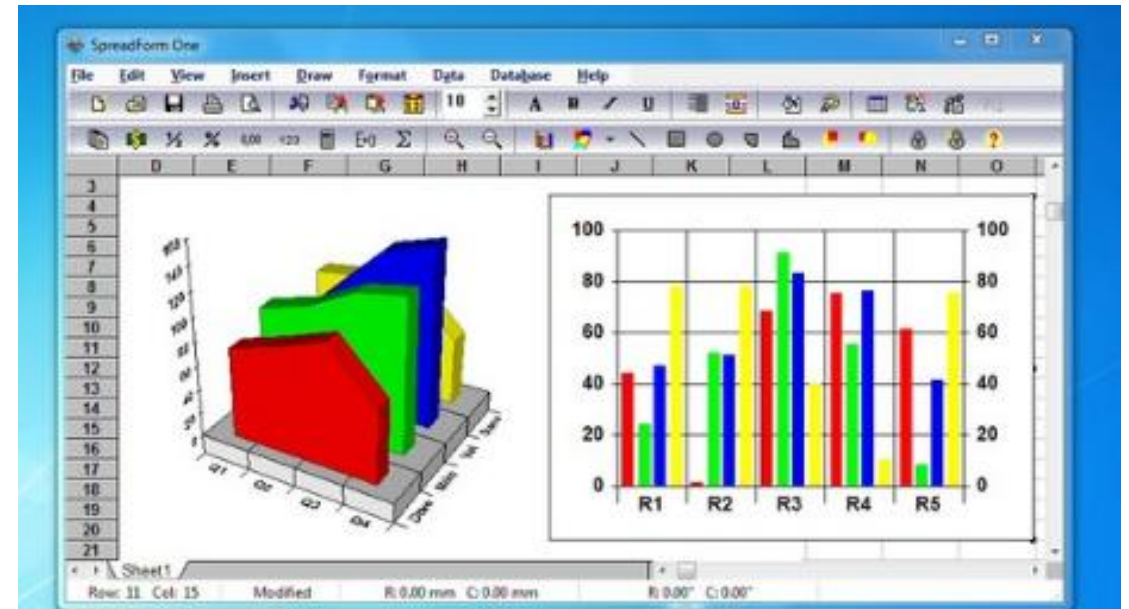
- Ex: informal teacher observation, anecdotal notes, reflective comments

# Quantitative Record Keeping

- Traditionally, a teacher's grade book has always been thought to hold all the answers regarding a child's progress.
- Now days, teacher can use spreadsheet software (ex: Microsoft excel) and teacher can be easily typed student's names.

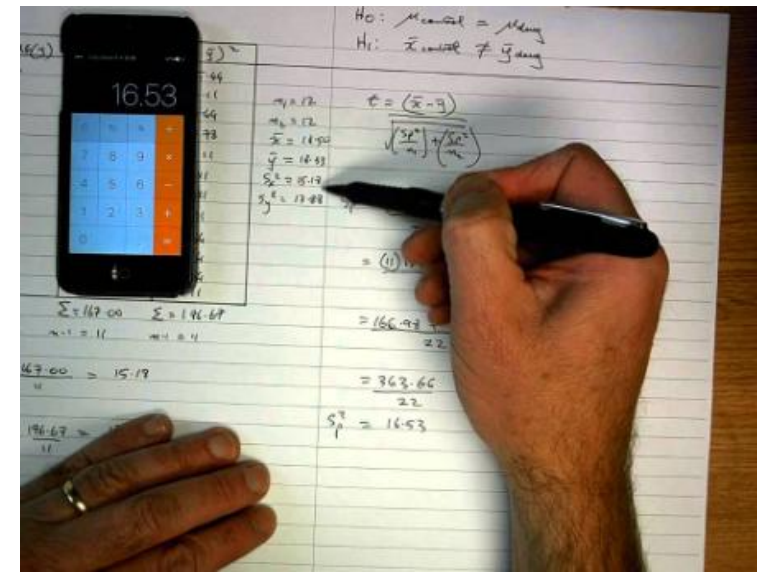


- Records can be inserted into alphabetically correct position, rather than being out of order.
- Grades can be inserted without creating mess of erasing of correction fluid.



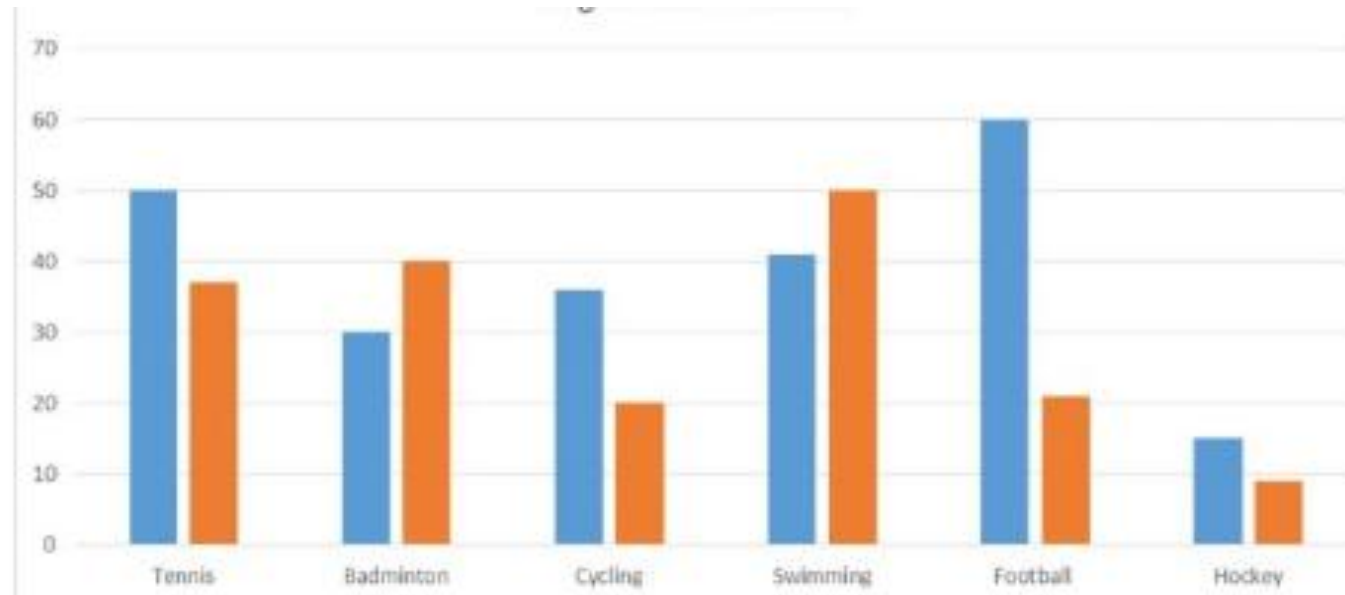
# Advantages to teacher using spreadsheet software:

- The software's ability to perform computational functions on numbers.
- Teacher no need to take long time to enter each grade for a student into a calculator to calculate an average grade.





- formulas can be easily written to perform more complicated calculations.
- Allows teacher to represent scores graphically as graphs and charts to present student achievement.



# Qualitative Record Keeping

- By creating or adding to an existing database record for each child, teachers can record observations in the central, organized location.
- Word-processed notes can provide handy reminders of progress when reporting to parents
- Allow teacher to scroll back up through a student's record to track patterns or make predictions

- The texts of anecdotal records recorded in a database can be searched by keywords to see.
  - Ex: how frequently a student has offered an answer in class or has had a problem behaving with another student.
- Record can be merged into word-processed documents to create instant parent reports of student progress.
- Teacher can use voice recorder to record their verbal comments during observation.

# Evaluation stages before used by children:

- Learning goals need to be created before selection of technology
- The use of hardware and devices needs to be recognized
- Content and structure of program need to be investigated to ensure it meets the learning goals
- Incorporating educational technology into the syllabus with appropriate planning.

# USING COMPUTERS TO DOCUMENT STUDENT PROGRESS

- One additional benefit of technology is that it can **support documenting student progress** in mastering concepts emphasized in the curriculum
- Educators carefully observe children **using appropriate software** can gain **valuable information** about a child's learning styles and thought processes



- Weir & colleagues (1982) suggest the computer provides a **window to the child's mind**
- It helps educators **examine student achievement** in the context of meaningful activity

# RECORDING ONGOING STUDENT PROGRESS

- Computers can provide educators with important tools that help **document children's progress**
- When **technology and assessment** are well **integrated**, computers become an **essential tool** in the accountability equation



- Computers can **assist educators** greatly when they are designed to **support** ongoing data collection, assessment and reporting
- The computer learning environment offers educators and parents a window to the **child's mind and progress**



**THANK YOU**