

# **GradeBook**

## **User Manual**

**Version 1.4** 

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## Page 2

## **Table of Contents**

Copyright	1
Introduction	
Planning Ahead	2
Requirements	2
lcons	3
Creating Your First Grade Book	3
Using the Spreadsheet	
Entering Grades	10
Grading Methods	
Applying Weights	
Extra Credit	
No Credit	
Computing Grades	
Making Changes	
Menu Choices	
Apple Menu	
About Gradeßook	
File Menu	
New	
Open	
Close	
Save	
Save As	
Page Setup	
Print	
Help	
Quit	
Edit Menu	
Check-List	
Clear Gradeßook	
Percentiles	
School Name	
Subject Name	
Student Menu	
New Student	
Delete Student	
Sort Names	
Missed Work	
Progress Report Student Grades	
Student Glades	∠ ⊥

## Page 3

Student Report	21
Subject Menu	22
New Subject	22
Compute Grades	23
Delete Subject	
<subject name=""></subject>	24
Sub-Subject Menu	24
New Sub-Subject	
Delete Sub-Subject	
<sub-subject name=""></sub-subject>	26
Assignment Menu	26
New Assignment	
Edit Assignment	
Delete Assignment	28
Class Average	29
Missed Marks	
Print Assignments	
Recent Assignments	30
Available Reports	30
Acknowledgements	32

Page 4

#### Gradeßook 1.4

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( Yes, it's free.)

## Copyright

Copyright © 1992,1993 Rex Evans. This manual and the software described in it are copyrighted with all rights reserved. I used THINK Pascal™ to write this program, so portions of this program are ©1991 Symantic Corporation.

## <u>Limited Warranty on Media and Manual</u>

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#### Introduction

Gradeßook is written for school teachers to track a class of students. The three basic functions of the program are to record assignments and grades, compute student grades, and produce reports. A spreadsheet is used as the primary method of entering and maintaining data. The objective was to make the spreadsheet look much like the ones used in typical grade books. I have attempted to make the interface as friendly as possible and hope it is intuitive.

Each class may have up to 50 students (I shure hope it never comes to that!) and 8 subjects. Within each subject there must be at least 1 and as many as 8 subsubjects (or categories, if you will). Sub-subjects provide the following functions:

• Allows the teacher to group assignments (examples: homework, quiz, etc.).

- Each sub-subject may use a different grading method (points, letter grade, pass/fail, or check marks [+, •, or -]).
- A weight is assigned to each sub-subject representing the portion of the subject grade.

Each subject may have up to 40 assignments but each assignment must belong to a specific sub-subject. The sub-subject determines the form of grading to be used for the assignment. Each assignment is also given a weight indicating its portion of the sub-subject grade. (That's right. The assignment weight is used in calculating a sub-subject grade and then the sub-subject weight is used in calculating the subject grade. To avoid using weights, give the same weight to everything.)

## **Planning Ahead**

Although I believe the program is easy to use, you should put some thought into how you want to use it. In particular, think about how you plan to use subsubjects and what form of grading is appropriate for each sub-subject. The only thing you cannot do later is change the form of grading. This is because I don't know what to do with the assignments already recorded in the sub-subject.

You are allowed at any time to change the student's assignment grade, the weight of the assignment, the weight of the sub-subject, the point value of an assignment, the name of the assignment, the name of the sub-subject, the student's name, delete an assignment, etc.

If this is your first time using the Gradeßook program I suggest you create a dummy class and play with it.

## **Requirements**

- Any Macintosh (I targeted the Macintosh LC).
- System 6.05 or later.
- Enough disk space for Gradeßook (~120K) and as many class files as needed (~200K each if all subjects are defined). Hard disk recommended.
- 2 megabytes of memory.

I was able to install the Macintosh LC system 6.07 and the Gradeßook application on one high density floppy (1.4 M) and still have room for one grade book file. However, this is a tight squeeze and I/O is the pits.

#### **Icons**



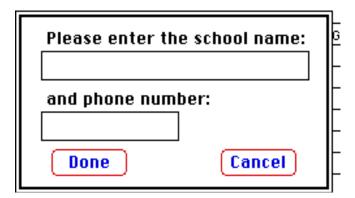
This is the icon used for the Gradeßook program. Double-click on this icon to start the program. You will be prompted to select a grade book file to open or to create a new grade book.



A grade book file is created for each class. The file contains everything there is to know about the class.

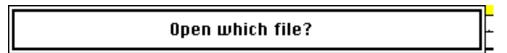
## **Creating Your First Grade Book**

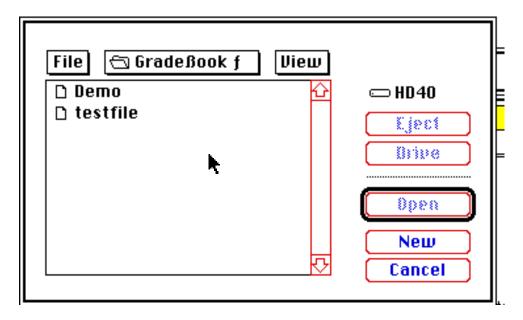
- Create a back-up copy of the Gradeßook program!
- Double-click on the Gradeßook icon. You will be asked to enter the name of your school and its phone number.



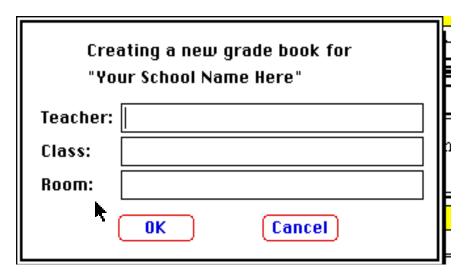
The school name and phone number will be embedded in the program and will appear on reports.

• A file dialog will be displayed. Click on the 'New' button.





• Personalize the grade book by entering the teacher, class, and room. This information will appear on reports.



 The assumption is that you would probably want to enter the student names next, so a dialog is presented. Names must be given with the last name first. As each student name is entered, the dialog will display the number of the next student to enter. If you wish, you could click on the 'Done' button and enter names at a later time. Note also that a date field is provided with the current date. Change it if necessary.

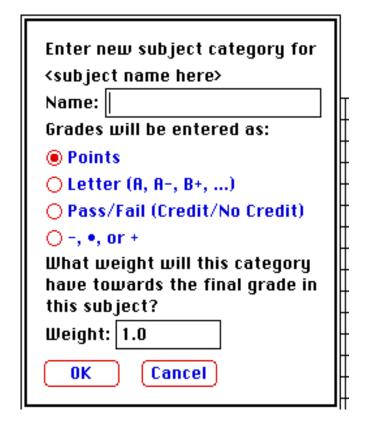
	Enter new student's name. Student # 1
Last, First Start Date	

Note: If you add a student at a later time, all existing assignments in the grade book will be flagged as excused. You can change the entries later if you wish.

• All classes have at least one subject, so you will be prompted to enter one new subject name.

Enter new subject:	
	]
Add Cancel	

• At this time the spreadsheet for the subject will be displayed. Since assignments cannot be entered without at least one sub-subject defined, you will be prompted to define one at this time.



- ♦ Give a name to the sub-subject. It may be up to 32 characters wide.
- ♦ Click on the type of grading to be used for this sub-subject. All assignments in this sub-subject must use the selected grading.
- Determine what portion the subject grade the sub-subject represents by entering a weight. All sub-subject weights will be normalized when the grades are computed. To treat all sub-subjects with equal weighting, use the same value for each sub-subject. See the section on 'Applying Weights' for a full explanation.
- ♦ Click on the 'OK' button and the sub-subject will be added to the grade book.
- Create your first assignment by selecting 'New Assignment' from the 'Assignment' menu.

New Assignment			
Description:			
	Sub-Subject		
Select sub-subject	Homework 👉		
from the list at the	Quiz		
right.	Test		
Points:			
	<u> </u>		
What weight will this assignment have			
_	ade in category selected?		
Weight: 1.0	Date: 8/24/92		
ADD C	ancel		
Cancer)			

- ♦ Describe the assignment. It may be up to 32 characters wide.
- ♦ Click on one of the sub-subjects. This associates the assignment to the sub-subject and determines the type of grading for the assignment.
- ♦ If the sub-subject uses point grading, then enter the point value of the assignment. Otherwise, this field is ignored.
- ♦ Enter the weight the assignment will have on the sub-subject grade.
- ♦ The current date is provided. Change it to reflect when the assignment was given or due.
- Click on the 'ADD' button. The assignment will be added to the grade book and a new column will be inserted into the spreadsheet for the subject. Note that the column is added next to the student name column. This reverse ordering of assignments is to make it easy to enter the student grades. When reports are produced, or when the spreadsheet is printed, the columns will be in ascending order of assignments.

- Enter the student grades. Note that the first cell next to the first student name is highlighted. Just enter the grade and press the return key. The program will move to the cell for the next student. At any time you may return to any cell in the spreadsheet by clicking on it. Whenever a cell in an assignment column is highlighted, the name of the student and the date, description, and type of assignment are displayed in bold text above the columns.
- Your grade book is now ready, but it has not been saved to disk. You may do so now or at any time. For this exercise, we will go ahead and create it. So, select 'Save' from the 'File' menu. A dialog window will be displayed to allow you to name your grade book file. Give it a name and click on the 'Save' button.

You have created your first grade book and entered your first assignment. If this is an experimental grade book you may wish to try the various selections in the menu to see what they do. When you are done, select 'Close' or 'Quit' from the 'File' menu. If you have made any changes since the grade book was last saved, you will be asked if you wish to save the changes. If you click on 'Yes' the changes will be saved and the grade book closed. If you click on 'No' the changes will be discarded and the grade book closed. If you click on 'Cancel' the program will cancel the 'Save' or 'Quit' and you may resume making changes.

## **Using the Spreadsheet**

A spreadsheet is used as the main window for viewing and editing student grades. The spreadsheet is made up of the following parts:

Title Bar The name of the current subject is always displayed in the

window's title bar. When you select a different subject, the

title bar is updated along with all information in the

spreadsheet.

General Info The window will always display the teacher, class, room,

and subject. Additionally, when one of the grade cells is selected, the student's name and assignment information

is displayed in bold.

Column Headings A heading is placed above each column. Since assignment

descriptions are too wide to place above a column, the assignment's number (given in the order they are created) is used. An assignment key report is available for cross referencing. For a quick reference, select any cell in the column and the assignment's information will be displayed in the General Info area.

in the General lillo area

Name Cells Student names may be edited by clicking on the cell to be

changed. The change takes effect when you press the return key or when you click anywhere outside of the cell. The student's last name must be given first, followed by a

comma, followed by the first name.

Grade Cells A grade may be entered or changed by clicking on the cell

and entering the new information. When you select a cell, the name of the student and information about the assignment will be displayed in the General Info area. The assignment information includes the assignment date, description, and the grading method to be used (points, letter, pass/fail, or check mark). If points grading is used then the maximum point value of the assignment is given. The change takes effect when you press the return key or click anywhere outside of the cell. If the return key is

pressed, the next cell in the column will be selected unless

it is the last cell.

Scroll Bars When there are more students than can be displayed in the

spreadsheet, the vertical scroll bar becomes active. Likewise, as the number of assignments grows, the horizontal scroll bar becomes active. Note that the student name column is always visible. The horizontal scroll bar will

only scroll the assignments section of the spreadsheet.

No checking is done to insure that a student's name is not entered more than once in the spreadsheet. As for grades, they must conform to the method selected for the assignment or the program will not accept the entry. When a grade is not accepted, the program will inform you and then change the cell back to its previous contents. You can then try again.

Notice that the assignments are given in reverse order in the spreadsheet. This was done to place new assignments next to the student names for easy reference. When the spreadsheet is printed the assignments will be given in ascending order. By the way, before you print the spreadsheet you may want to select 'Page Setup' from the 'File' menu and change the page layout to be landscape instead of portrait. I think it looks better that way. But it's up to you. As many pages as are necessary will be printed to show all students and all assignments. The assignment key will also be printed following the spreadsheet.

You can navigate through the spreadsheet by:

- ♦ clicking on cells,
- ◊ pressing the return key to advance down a column,
- ♦ using the scroll bars, or
- ♦ using the arrow keys.

The arrow keys only work after you have selected a cell with the mouse. If the cell is a student's name, then only the up and down arrow keys may be used. If the cell is in an assignment column, then all four arrow keys may be used. In all cases, when along one of the borders of the spreadsheet the arrow key will scroll the spread sheet by one column or row. (Notice how the student name and assignment information in the General Info area changes as you move among the cells!)

## **Entering Grades**

To enter a grade for a student, find the row containing the student's name and then locate the column for the assignment. Then select the cell by clicking on it. The cell will become highlighted. You may then enter the grade. What will be accepted by the Gradeßook program is determined by the grading method used for the assignment (see the section on 'Grading Methods' for details). If the data entered is not acceptable, the program will inform you and the cell will revert to its previous state. In addition to the grading information allowed by the grading method, the following data may be entered for all methods:

<empty></empty>	An empty cell indicates a missed mark. Missed marks are
	given a score representing 45% of the assignment's worth
	when computing grades.
AB	Absent. All absences must be resolved before a grade can
	be computed for the student.
EXC	Excused assignment; not used in the calculation of the
	student's grade.
Χ	Same as EXC.

The program will accept either all upper or all lower case letters.

Teachers have also asked for a way to attach some special meaning to a grade. Therefore, you may surround a grade with '()', ' $\{\}$ ', '[]', or ' $\{\}$ '. For example: '[C-]', '[P]', ' $\{73\}$ ', ' $\{\}$ '. The significance of the notation is left to the teacher.

To enter a bullet (•) for a check mark grade, hold down the 'option' key and press the '8' key. The bullet was selected since it is available on all fonts.

## **Grading Methods**

The Gradeßook program supports four forms of grading. You may use any combination of grading within each subject. However, you can only use one form of grading within a sub-subject. The available forms are:

Points

A numerical value is given to each assignment. The value represents the maximum number of points available for the assignment. When computing grades, sub-subjects with point grades will use actual values assigned.

Letter

Letter grades: 'A+', 'A', 'A-', 'B+', 'B', 'B-', 'C+', 'C', 'C-', 'D+', 'D', 'D-', and 'F'. When computing grades, sub-subjects with letter grades will map the grades to the following values (scaled to 100):

Total value for each letter assignment will be 12.

Pass/Fail

A pass/fail or credit/no credit is represented by 'P' & 'F' or 'C' & 'N'. When calculating grades, a pass has a value of 1.0 and a fail has a value of 0.5 and the assignment has a value of 1.

Check Mark The symbols -, •, and + are used. The marks will map to '-'=0.61(D), '•'=0.74(C), and '+'=0.95(A) with a total value of 1.0 for each assignment. (Note: The '•' is entered by holding down the 'option' key and pressing the '8' key.)

The percentile mappings shown above may be changed selecting the 'Percentiles' option from the 'Edit' menu.

## **Applying Weights**

The first thing to remember when defining weights is that they will be normalized when computing grades. For example, if only three weights were provided and they have a value of 5, 5, and 10, respectively, then the first two would each represent 25% of the grade and the third would represent 50% of the grade.

If you do not wish to use weights, assign the same value (1 is nice) to all weights.

<u>Assignment weights only apply to the sub-category</u> in which the assignment is found. <u>Sub-category weights only apply to the subject</u> in which the sub-category is found.

A zero weight for an assignment is used for assignments that will not be used in calculating the sub-subject grade (see 'No Credit'). Also, a zero weight for a subsubject will exclude the sub-subject from the calculation of the subject grade.

A negative weight for an assignment is used for extra credit assignments. The weight is made positive and then used to determine the effect it will have on the sub-category grade (see 'Extra Credit').

## **Extra Credit**

Extra credit assignments are identified by assigning them a negative weight. The weight should be given as a fraction of the sub-subject grade. For example, if an assignment can raise the sub-subject grade by at most 2%, then enter the weight as '-0.02'.

For example, assume a score of 45 out of 50 was given for an extra credit assignment with a weight of -0.02 and assume the sub-subject grade was computed to be 83%. Then the final sub-subject grade would be:

$$83\% + 100\% * 0.02 * (45 / 50) = 84.8\%$$

Extra credit assignments are accumulative. The method of computing grades only applies to the calculation of the sub-subject grade before adding extra credit assignments.

#### **No Credit**

If you do not wish for an assignment to contribute to the calculation of a subsubject grade, then give it a weight of zero (0.0). Zero weight assignments will be skipped when computing the sub-subject grades.

In the same way, a sub-subject can be skipped when computing the subject grade by giving the sub-subject a weight of zero.

## **Computing Grades**

When the Gradeßook program is asked to compute grades, it will ask you to select one of three methods:

Percentiles are used internally by the Gradeßook program when computing grades. The assignment grade is first converted to a percentile. Then the method of computing the sub-subject and subject grade are applied as follows:



Let: M = Assignment mark (grade)

W = Assignment weightV = Assignment total valueN = Number of assignments

P = Percent of maximum grade for assignment

Straight Points:  $P = 100 \cdot \frac{\sum M}{\sum \varsigma}$ 

Even Average:  $P = 100 \cdot \sum \frac{M}{\varsigma} \cdot \frac{1}{N}$ 

Weighted Average:  $P = 100 \cdot \sum \left( \frac{M}{\varsigma} \cdot \frac{\Omega}{\sum \Omega} \right)$ 

Excused assignments are not included in the calculation. Missed assignments are given a value equal to 45% of the assignment's worth.

Extra credit assignments are computed and added after the percentile is computed. The weight should be given as a fraction of the sub-subject grade. For example, if an assignment can raise the sub-subject grade by at most 2%, then enter the weight as '-0.02'. Each extra credit assignment is added as follows:

Extra Credit: 
$$P = \Pi + \frac{M}{\varsigma} \cdot |\Omega| \cdot 100$$

After the percentile grades are computed, they are mapped to letter grades as follows:

>100	A+	77 :	79	C+
93:100	Α	72:	76	C
90 : 92	A-	70 :	71	C-
87 : 89	B+	64:	69	D+
83:86	В	59:	63	D
80 : 82	B-	51:	58	D-
		0 :	50	F

## **Making Changes**

Almost any entered information may be changed at any time. The only thing you cannot do later is change the form of grading. This is because I don't know what to do with the assignments already recorded in the sub-subject.

You are allowed at any time to change the student's assignment grade, the weight of the assignment, the weight of the sub-subject, the point value of an assignment, the name of the assignment, the name of the sub-subject, the student's name, delete an assignment, etc.

To change any cell in a spreadsheet, simply click on the cell to highlight it. Then enter the new data and press the return key. If the new data is not allowed (like in a wrong grade type for the assignment) the Gradeßook program will inform you and the cell will revert to its last value.

#### **Menu Choices**

## **Apple Menu**

#### **About Gradeßook**

A credits dialog is displayed.

#### File Menu

#### New

Create a new grade book. A file for the grade book is not created until you select 'Close', 'Save', 'Save As...', or 'Quit'.

## Open

Open an existing grade book and display the spreadsheet for the first subject.

#### Close

Close the current grade book. If any changes have been made, you will be asked if you wish to save them.

#### Save

Save all changes to the current grade book to the disk file. If no file has yet been created, then you will be asked to name a new file for the grade book.

#### Save As...

The current grade book may be saved to disk under a new file name. All subsequent changes will be saved to the new file.

## Page Setup...

Set the printing style for your printer (paper type, page orientation, etc.). Selected options are used for all subsequent printing.

#### **Print**

A sub-menu provides a selection of all available reports. Available reports are:

- ♦ Assignments Also available from the 'Assignments' menu.
- ♦ Class Average Also available from the 'Assignments' menu.
- ♦ Missed Marks Also available from the 'Assignments' menu.

- ♦ Missed Work Also available from the 'Student' menu.
- ♦ Progress Report Also available from the 'Student' menu.
- ♦ Recent Assignments Also available from the 'Assignments' menu.
- ♦ Spreadsheet
- ♦ Student Grades Also available from the 'Student' menu.
- ♦ Student Report Also available from the 'Student' menu.

See the 'Available Reports' section for a description of each report.

## Help

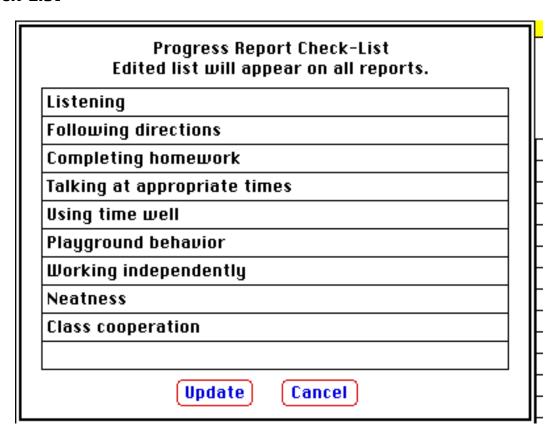
A on-line help package is brought up. Make a selection for more information. Click on 'Cancel' to dismiss the help package.

#### Quit

If a grade book is open and has been modified, you will be asked if you wish to save it to disk before quitting. 'Yes' will save the changes while 'No' will discard the changes before quitting.

#### **Edit Menu**

#### **Check-List**



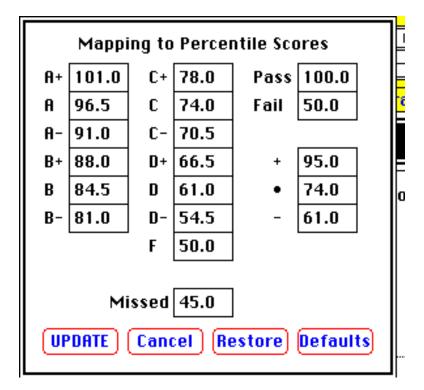
A check-list is printed on every Progress Report. The check-list can contain up to ten lines. Selecting 'Check-List' from this menu allows you to edit the check-list. The new list will be used on all subsequent Progress Reports.

#### **Clear Gradeßook**

The Gradeßook program was designed to support only one school term. At the end of a term the grade book file should be copied and saved for future reference. At the start of a new term the 'Clear Gradeßook' option will delete all data from the grade book file <u>except</u> for student names. When starting a new school year you should create a new grade book file.

#### **Percentiles**

The default mappings from grades to a percentiles (see 'Grading Methods') may be changed by selecting this option from the Edit menu. A dialog box will be displayed and you may enter the new mappings.



#### **School Name**

When the Gradeßook program is first executed, it asks for the name of the school and the school's phone number. This name and number becomes embeded within the program. All grade books will use this name when producing reports. This command allows you to change the school name and pphone number. The new name and number will replace the old ones within the program.

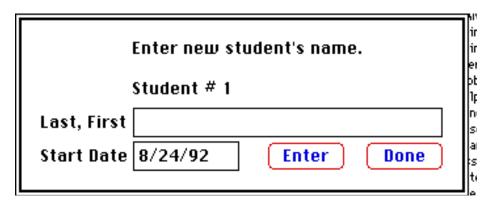
## **Subject Name**

This option allows you to edit the name of a subject. No other information within the subject is modified.

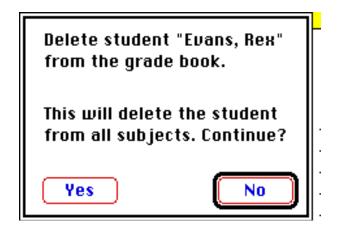
#### Student Menu

#### **New Student**

The student name must be given last name first. Change the date, if necessary. Pressing the return key or clicking on the 'Enter' button will add the student to the grade book. New names are added after all existing students. All existing assignments will be marked as excused for the new student. You may change the assignment entries later. Click on the 'Done' button to dismiss the new student dialog window. There is a limit of 50 students per grade book.



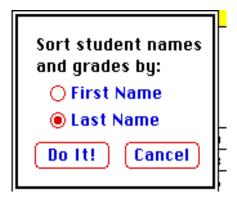
#### **Delete Student**



A student can be deleted from the grade book. When this option is selected a warning dialog is displayed and you must acknowledge that you truly want to delete the student.

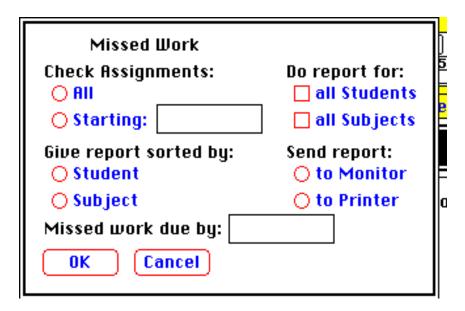
It is suggested that you save a copy of the grade book before deleting a student.

#### **Sort Names**



The 'Sort Names' option will sort all student records in all subjects. The names may be sorted by first or last name. For more than one student with the same last name you may wish to sort by first name and then sort again by last name.

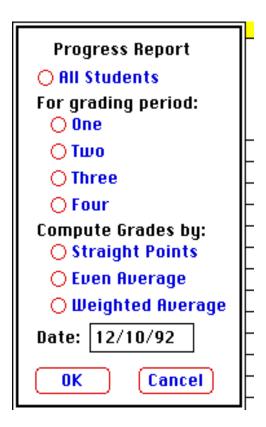
#### Missed Work



The 'Missed Work' option will produce a report of all missed assignments or missed assignments on or after a specified date. The report can be given by student or subject. When it is given by student and all students are selected then each student will start a new page. When it is given by subject and all subjects are selected then each subject will start a new page. The style of the report varies with the options selected from the dialog window. Under certain combinations of options the report can only go to the printer. Otherwise the report may be displayed or printed. If displayed, you can then click on a 'Print' button to print the report.

## **Progress Report**

This report is intended to be sent home each grading period for the parent's review and signature. The report gives the student's current grade in each subject.



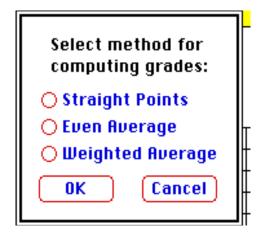
If the 'All Students' option is not selected then a dialog will be presented for you to select the student.

You must select a grading period and grading method. The selected grading period is added to the report. Finally, the current date is provided. Change the date if necessary. The date will be added to the report.

A check-list is printed on all Progress Reports. the list, which can contain up to ten lines, may be edited by selecting 'Check-List' from the Edit menu. The edited list is remembered and will be used for all subsequent reports.

#### **Student Grades**

Print a spreadsheet showing the current grade in each subject for every student. All absences and missed marks must be resolved before this report will be produced. You must select a method for computing the grades when you are presented the following dialog:



## **Student Report**

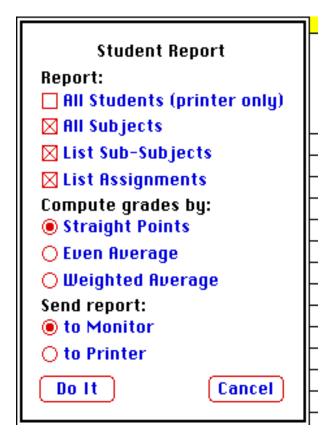
Display and/or print student reports. By default, all subjects, sub-subjects, and assignments will be listed in the report. Grades will be computed and output with the report unless there are outstanding absences.

If the 'All Students' box is checked then the reports will only go to the printer due to the volume of output. When printed, each student report starts on a new page. If the 'All Students' box is not checked, you will be asked to select the student.

If the 'All Subjects' box is not checked, then you will be asked which subject to report.

If the 'List Sub-Subjects' box is checked, then all sub-subjects will be output with sub-subject grades.

If the 'List Assignments' box is checked then all assignments will be output with the student's grade. If the 'List Sub-Subjects' box is checked, then the assignments will be grouped with the sub-subject. Otherwise, they will be listed in the order they were given.



You must select which method is to be used to compute grades. See the section on 'Computing Grades' for a description of each method. When the 'Weighted Average' method is selected, normalized weights will be added to the report.

When 'to Monitor' is selected, the student's report will be displayed. A 'Print' button is added to the report's window so you can print the report after viewing it.

## **Subject Menu**

## **New Subject**

Enter new subject:	brack
	ŀ
Add Cancel	ŀ

A new subject may be added at any time. There is a limit of 8 subjects per grade book. When a new subject is created, a spreadsheet is created and then the 'New Sub-Subject' dialog is displayed (see 'Sub-Subject' menu). At least one sub-subject must be defined for each subject. Define it now or click on the 'Cancel' button if you want to define it later.

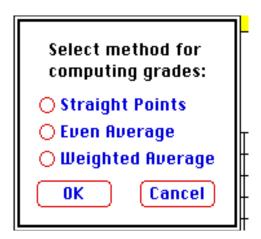
## **Compute Grades**

Selecting 'Compute Grades' will calculate each student's grades for all subsubjects and for the subject. The grades are then inserted into the spreadsheet. For example, if there are 15 assignments in 3 sub-subjects, then columns 16, 17, and 18 will contain the sub-subject grades and column 19 will contain the subject grade.

'Compute Grades' only applies to the subject currently displayed in the spreadsheet. All absences must be removed before computing grades. Otherwise the command will cancel.

Any change to the status of the subject for which grades have been computed will result in the computed grades being removed from the spreadsheet. Obviously, changes void the current calculations.

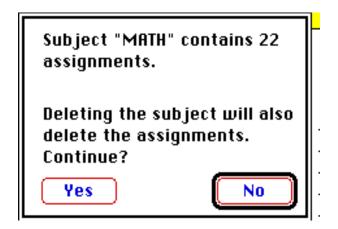
Using 'Compute Grades' is completely independent from the 'Student Report' option in the 'Student' menu. In other words, you do not need to use 'Compute Grades' before using the 'Student Report', or visa versa.



Select the desired method for computing grades. See the 'Computing Grades' section above for a description of each method.

## **Delete Subject**

A subject can be deleted from the grade book. However, deleting a subject will also delete all assignments within the subject. When this option is selected a warning dialog is displayed and you must acknowledge that you truly want to delete the subject.



It is recommended that you back up the grade book before deleting any subjects.

## <subject name>

As each subject is created, it's name is added to the 'Subject' menu. Selecting one of the subject names will bring that subject into the spreadsheet, update the 'Sub-Subject' menu, and make all assignments available for editing.

## **Sub-Subject Menu**

## **New Sub-Subject**

A sub-subject (or category) is used to determine the grading method to be used for assignments. At least one sub-subject must be defined for each subject. A maximum of 8 sub-subjects may be created for each subject, each one using a different grading method.

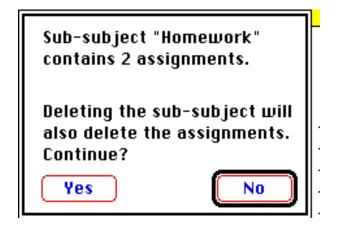
The sub-subject also has a weight associated with it. A sub-subject grade is calculated from all assignments within the sub-subject. The weight may then be applied to the sub-subject grade when calculating the grade for the subject. See the section on 'Applying Weights' for details. The sub-subject weights will be normalized before calculating the subject grade.

Give a name to the sub-subject. Then select the grading method to be used for assignments within the sub-subject. See the section on 'Grading Methods' above for details. Finally, give the weight this sub-subject will have on the final subject grade. (Note, using the same weight for all sub-subjects (1 is nice) will treat all sub-subjects equally when calculating the subject grade.)

Enter new subject category for	7
<pre><subject here="" name=""></subject></pre>	١
Name:	١
Grades will be entered as:	١
Points	١
○ Letter (A, A-, B+,)	١
O Pass/Fail (Credit/No Credit)	ı
○ -, •, or +	ı
What weight will this category	ı
have towards the final grade in this subject?	١
Weight: 1.0	١
OK Cancel	
	┙

The sub-subject's name and weight may be changed at any time. However, the grading method cannot be changed. (What would I do with the assignments in the sub-subject!)

## **Delete Sub-Subject**



A sub-subject can be deleted from the grade book. However, deleting a subsubject will also delete all assignments within the sub-subject. When this option is selected a warning dialog is displayed and you must acknowledge that you truly want to delete the sub-subject.

## <sub-subject name>

Subject:	Math
Category:	Homework
Weight:	1.00
Kind:	Points
0K	Cancel

As each sub-subject is created, it's name is added to the 'Sub-Subject' menu. Selecting one of the sub-subject names will bring up a dialog window that will allow you to change the name or weight of the sub-subject. The subsubject's grading method cannot be changed.

## **Assignment Menu**

## **New Assignment**

The 'New Assignment' option allows you to add an assignment to the current subject. A maximum of 40 assignments may be defined for each subject.

The assignment description may be up to 32 characters. A sub-subject must be selected since it determines the method of grading to be used. If point grades (scores) are to be used, then enter the maximum point value of the assignment. Otherwise, the points field is ignored. The current date may be accepted or changed.

Each assignment is also given a weight. The weight is used to determine the portion the assignment is of the sub-subject grade. Suppose you give three assignments and decide that the first will count 30% of the sub-subject grade; the second 30% of the sub-subject grade; and the final 40% of the sub-subject grade. Suppose that point grading is used and the point value of the first test is 100, the second is also 100, and the third is 150. When you add the assignments, enter weights of 30, 30, and 40 (or 3, 3, and 4; or 6, 6, and 8; etc. The weights will be normalized to 100%). If Rex scores grades of 80/100, 60/100, and 120/150, then Rex's grades are computed as the raw averages of 80%, 60%, and 80%; and the weighting of the assignments will produce a sub-subject grade of:

$$(80\%*30\%) + (60\%*30\%) + (80\%*40\%) = 74\%$$
 (C)

The weights are only used when computing grades using the 'Weighted Average' method. See the section on 'Grading Methods' above.

New Assignment		
Description:		
	Sub-Subject	
Select sub-subject	Homework 🕜	
from the list at the	Quiz	
right.	Test	
_		
Points:		
Foliits.		
	<u>IV</u>	
What weight will this	-	
towards the final gra	ade in category selected?	
Weight: 1.0	Date: 8/24/92	
ADD Cancel		

Assignments may also be given a negative weight. Such assignments are treated as extra credit. Care should be given to selecting the weight since it is not averaged with the other weights. The weight should be given as a fraction of the sub-subject grade. For example, if an assignment can raise the sub-subject grade by at most 2%, then enter the weight as '-0.02'.

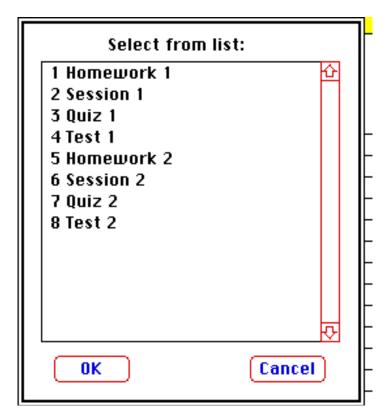
Once the assignment is defined, it will be added to the subject's spreadsheet. Student grades may then be entered through the spreadsheet.

## **Edit Assignment**

Reading Project			brack
Name:	Book Report	6/4	
Date:	7/21/92		$\ $
Weight:	1.00		
Kind: OK	Letter	Cancel	

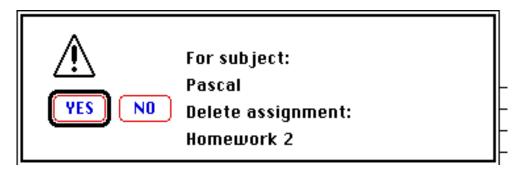
All information about an assignment may be changed except which subsubject it is in and what grading method is used.

## **Delete Assignment**



A list of all assignments will be presented in a scrollable window. Click on the name of the assignment to be deleted and then click on the 'OK' button.

A final confirmation dialog window will then be displayed. Click on the 'Yes' button and the assignment will be deleted from the spreadsheet and the grade book.

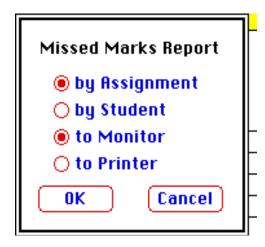


#### Class Average

This option will produce a report of class averages for the current subject. Averages will be given for the subject, sub-subjects, and assignments. The report is output to the monitor. A button is then available for printing the report. Only students that completed the assignment are used when computing the averages.

The average for subjects and sub-subjects are given in percentiles. The average given for assignments is the average 'point' value of the assignment. Letter, pass/fail, and -, •, + grades are converted to a point value for averaging. All grades are also reported as a letter grade.

#### Missed Marks



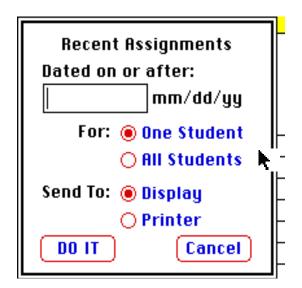
The 'Missed Marks' option will produce one of two reports: all students that missed an assignment, or all assignments missed by a student. Based on the options selected in the dialog window, a list of assignments or students will be displayed. Make a selection and click on the 'OK' button. The report will be displayed in a window or printed. If displayed, you can then click on a 'Print' button to print the report.

## **Print Assignments**

This option will print an assignment key for the current subject. The report gives the assignment's column number, description, weight, grading method, point value (if appropriate), and sub-subject.

## **Recent Assignments**

This option will display or print a report showing all assignments on or after a specified date. The assignments will be presented by sub-subject for all subjects.



## **Available Reports**

The following reports are currently available. Additional reports will be written once I know what is wanted.

Assignment Key Select 'Print Assignments' from the 'Assignment' menu and a report of all assignments will be produced.

Class Average Select 'Class Average' from the 'Assignments' menu and a

report will be presented giving the class averages for the current subject, sub-subjects, and assignments. Only assignments for which a grade was given are considered.

Missed Marks Select 'Missed Marks' from the 'Assignment' menu to

produce a report of all assignments missed by a student, or

a report of all students that missed an assignment.

Missed Work Select 'Missed Work' from the 'Student' menu. Missed work

can be reported by student or by subject. All students and/or all subjects may be reported. The report will include

all missed assignments by student and subject.

Progress Report Select 'Progress Report' from the 'Student' menu. The

generated report is intended to be sent home during a trimester for the parent's review and signature. The current grade in each subject is provided along with space for

additional comments by the teacher.

Recent Assignments

Select 'Recent Assignments' from the 'Assignments' menu. A breakdown by subject and sub-subject is given for one or all students. Only assignments on or after a specified date

are included. The assignment name, date, and the student's grade are included. Subject and sub-subject

grades are not calculated.

Spreadsheet Select 'Print' from the 'File' menu to print a subject's

spreadsheet. All students and all assignment columns will

be printed along with an assignment key.

Student Grades Select 'Student Grades' from the 'Student' menu. A dialog

window is presented from which you must select the method of grading. A spreadsheet style report is then printed showing the current grade in each subject for all

students.

Student Report

Select 'Student Report' from the 'Student' menu. A dialog window is presented with a variety of options. Select the appropriate options and click the 'Do It' button. If there are no missed marks or absences, computed grades will be included in the report.

## **Acknowledgements**

I wish to thank my wife, Joan, who has patiently allowed me to spend many, many hours developing this program.

I wish to thank Elinor Bell for asking me to write this program (I've had fun), gathering and coordinating the requirements from other teachers, working with me on the details, and testing the program.