Campus:	Grade:	T. Brandon Jenkins	Score:
Student's full name:			/100
Class:	(M/F)	Date: /	

TERM 4 FINAL EXAM
Subject ICT
(Time allowed: 40 minutes)

EXAM RULES

1. Write the date, your full name, gender and class on the front page.

2. NO talking in the examination room.

3. Stay seated at your desk until the teacher says you can get up.

4. If you need help, raise your hand. Do not stand up or shout out!

5. Food and drinks are not allowed (only clear water bottles).

6. No cell phones, tablets, i-pads or other electronics are allowed in the class.

7. Write neatly and clearly! Check your work when you have finished.

8. CHEATING will not be tolerated! Do not look at other students' work, do not whisper or communicate in any way with other students.

IF YOU ARE CAUGHT CHEATING, YOUR EXAM WILL BE TAKEN AWAY, MARKS WILL BE DEDUCTED.

Grade 8 Excel Practical Exam

For this exam, you will be working with the dataset about students. Please follow the instructions carefully and complete the tasks in the designated columns.

Tasks:

1. In the "Age" column, calculate how old each student is based on their Date of Birth and today's date.

2. In the "Full Name" column, combine the first name and last name of each student.

3. In the "Maths Squared" column, calculate the square (power of 2) of each student's Maths grade.

4. In a new cell below the "Student ID" column, count how many students are in the class.

5. In the "Initials" column, show the first three letters of the students' last name.

6. In the "Modified Name" column, substitute the first letter of each first name with "Z".

7. In the "Average Grade" column, calculate the average grade for each student based on their five subjects.

8. In the "Grade Rating" column, if a student's average grade is above 80%, they are "Excellent", between 70% and 80%, they are "Good", else they are "Average".

9. In the "STEM Star" column, if a student has above 80% in Maths AND Science, they are a "STEM Star".

10. In the "Arts/Sports Star" column, if a student has above 80% in either Sports OR Arts, they are an "Arts/Sports Star".

11. In the "Language Star" column, if a student has above 75% in English AND their average grade is above 75%, they are a "Language Star".

12. In a new cell below the "Maths (%)" column, count how many students have above 85% in Maths.

13. In the "Days until Birthday" column, calculate how many days are left until the student's next birthday.

14. In the "Total Score" column, calculate the sum of all grades for each student.

15. In the "Percentage Increase in Maths" column, calculate the percentage increase from 50% to their current Maths grade.

16. In the "New Achiever Column", replace "Star" with "Achiever" in the "STEM Star", "Arts/Sports Star", and "Language Star" columns.

17. In the "Unique ID" column, create a unique identifier by combining Student ID, First Name, and Last Name.

18. In the "Grade Rating Count", count how many students are "Average", "Good", and "Excellent".

19. In the "Last Name Length" column, calculate the length of each student's last name.

20. In the "English Squared" column, calculate the square (power of 2) of each student's English grade.

Checklist:

Please make sure you have completed the following tasks before submitting your project:

- Age calculated
- Full Name created
- Maths Squared calculated
- Total students counted
- Initials created
- Modified Name created
- Average Grade calculated
- Grade Rating created
- STEM Star identified
- Arts/Sports Star identified
- Language Star identified
- Count of students with Maths grade above 85%
- Days until Birthday calculated
- Total Score calculated
- Percentage Increase in Maths calculated
- 'Star' replaced with 'Achiever' in the "New Achiever Column"
- Unique ID created
- Count of students in each Grade Rating category
- Last Name Length calculated
- English Squared calculated

This exam is worth 20 marks (1 mark per task) and should be completed within 30 minutes. Good luck

Student Data Table Template

Student ID	First Name	Last Name	Date of Birth	Age	Full Name	Maths	English	Science	Arts	Sports	Maths Squared
1											
2											
3											
4											
5											

Count of students with Maths grade above 85%:

Count of students in each Grade Rating category:

- Excellent:

- Good:

- Average:

Instructions (for reference):

1. Calculate age based on Date of Birth and today's date

2. Combine first name and last name

3. Calculate square (power of 2) of Maths grade

4. Count total number of students

5. Show first three letters of last name

6. Substitute first letter of first name with "Z"

7. Calculate average grade across all subjects

8. Determine grade rating (>80%="Excellent", 70-80%="Good", <70%="Average")

9. Mark students with >80% in Maths, Science, and English as "STEM Star"

10. Mark students with >80% in Sports OR Arts as "Arts/Sports Star"

11. Mark students with >75% in English AND average grade >75% as "Language Star"

12. Calculate days until next birthday

13. Calculate sum of all grades

14. Calculate percentage increase from 50% to current Maths grade

15. Replace "Star" with "Achiever" in applicable columns

16. Create unique ID by combining Student ID, First Name, and Last Name

17. Count students in each grade rating category

18. Calculate length of each last name

19. Calculate square (power of 2) of English grade