1. Introduction/Rationale

We all collectively decided to investigate student and teachers opinions on what makes a good teacher. The group decided to carry out this project as coming up to exams, there would be many conversations as to what teachers were good teachers. After these conversations we began to wonder what actually makes a good teacher and does opinion vary between teachers and students and students in varying types of schools

we feel that carrying out this research will greatly help all involved in learning environments. Student opinions have not been considered in many past studies so our statistical analysis is cutting edge.

We decided to take into account school context and gender, as we wanted to identify whether there is a difference in their perceptions. This research could inform teachers, students, parents and policy makers about how gender and school type/context may mediate the selected characteristics of good teachers/teaching.

2. Method

We put together a survey, with 25 questions, aimed at analysing student and teacher's perceptions as to what makes a good teacher. We took inspiration from many existing surveys on the topic such as the Tuckman Teacher Feedback Form (1976) and a survey by Mía Bullock (2015).

There were many variables we had to take into consideration, such as the school's context/background, (eg DEIS, non-DEIS, fee-paying etc.) and gender of the students. Therefore, we decided to administer surveys to a range of school types. We used the League Tables and the Department of Skills website in order to classify the 5 school types.

We conducted a pilot survey, and then sent a link to participating schools and asked that they distribute this link to as many Transition year students as possible. We used Google forms to collect the data, and this allowed us to export our results easily. We created two surveys, one for students and one for teachers. We had 259 student responses, and 204 teacher responses.

	S. Survey		sis completen								
The survey was broken into 5 scales each containing 5 subscales, as seen below.											
Having amassed our responses, we carried out the following statistical tests:											
Organisation	Good Preparation for Class	Name of Test	Rationale								
Organisation.	Being on Time for Class Attendance in School and Class Timely Feedback/Return of Work Well Structured Lessons	General Statistics Mean/ Median/ Mode	To determine average of responses To determine middle value in list of responses To determine most frequent response								
Teaching Methods	Creativity in Planning Variety of teaching Approaches Checking for Understanding	Cronbach Alpha	To determine the internal consistency of the Likert scale								
	Encouraging Student Opinion	Frequencies	To determine the amount of times the item has been chosen								
Communication	Engaging	Mann	Nonparametric test of the null								
Communication	Enguying	Whitney U	hypothesis it compares two								
	Clarity while teaching	Test	statistical difference.								
	Sense of humour		Used to compare gender in this project.								
	A good listener	Kruskal Wallis	This is a nonparametric test of the null								
Classroom	Safe learning environment		hypothesis. It compares more than two								
Management	Enforces class rules		independent samples for significant								
	Being in control		statistical difference.								
	Making students work		school types/context								
	Being fair in dealings with students	Chi-Square	Test for independence. Test is applied								
Personality and Characteristics	Caring for and understanding students Passionate about teaching and learning Patience with struggling learners	(Pearsons)	when you have two categorical variables from a single population.								
	Having high expectations for all students		a significant association between the								

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two variables



ubscales	Overall	Overall	Mean	Mean	Mean	Mean	Mean	Significance	P Value-Mann
	Median	Mean	Elite male	Elite- Female	Fee paying Co- Ed	DEIS Co-Ed	Rural state Co-Ed	Kruskal Wallis (school)	Whitney (Gender)
pared	1	1.63	1.80	1.45	1.63	1.69	1.57	.117	.149
nctual	1	1.72	1.81	1.67	1.53	1.83	1.74	.407	.519
endance	2	1.78	1.99	1.63	1.58	2.00	1.65	.092	.361
turn of work	2	1.93	2.09	1.65	2.13	2.06	1.83	<mark>.009</mark>	<mark>.043</mark>
ucture	2	1.74	1.97	1.54	1.71	1.77	1.65	.059	.045
ative	2	1.82	2.08	1.69	1.66	1.97	1.43	.125	.130
aching Apr.	2	1.97	2.15	1.88	1.89	2.00	1.74	.723	.384
derstanding	1	1.71	1.91	1.50	1.61	1.97	1.57	<mark>.046</mark>	.201
en to opinions	2	1.84	2.08	1.69	1.66	1.74	2.04	.087	.365
gular testing	2	<mark>2.63</mark>	<mark>2.70</mark>	2.50	<mark>2.50</mark>	<mark>3.17</mark>	2.30	.133	.555
gaging	2	1.78	1.92	1.73	1.50	1.91	1.78	.179	.782
spectful	1	1.52	1.82	1.35	1.34	1.51	1.43	<mark>.014</mark>	<mark>.003</mark>
ar	1	1.53	1.77	1.40	1.34	1.56	1.43	.288	<mark>.018</mark>
morous	2	1.94	2.18	1.90	1.82	1.83	1.65	.418	.137
tener	2	1.70	1.99	1.45	1.55	1.89	1.61	.001	.006
e environment	2	1.79	1.97	1.71	1.47	1.86	1.82	.240	.137
orces rules	2	2.32	2.48	2.17	1.97	2.65	2.43	.037	.169
control	2	1.96	2.01	1.92	1.79	2.14	1.91	.458	.838
kes student wk.	2	2.01	2.27	1.92	1.79	1.91	1.96	.287	.005
r	1	1.59	1.82	1.4	1.53	1.60	1.52	.059	.013
ring	2	1.81	2.10	1.6	1.71	1.74	1.87	<mark>.013</mark>	.001
sionate	2	1.73	1.85	1.62	1.55	1.91	1.74	.101	.414
ient	2	1.83	2.23	1.51	1.66	1.85	1.91	.000	.000
h expectations	2	2.51	2.68	2.58	2.42	1.97	<mark>2.61</mark>	.007	.275
piring	2	1 90	2.12	1 73	1 97	1.04	1 57	002	007

Ranked Subscale Means Studen

- Do you think respect is an important trend for a teacher? Why? How do you feel about regular assessment and testina? Do you think there may be differences
- between girls' perceptions of good teachin students and boys? What could they be?

8. Conclusions and Recommendations

- First of all, student voice provides important insights into teaching and learning.
- Respect is an important trait sought after by both teachers and students.
- putting more of an emphasis on organisational traits.
- School context does affect student perceptions of what makes good teaching. There is a need for discussion of privilege in schools as students in the qualitative data demonstrated a lack
- of appreciation towards DEIS environments.
- significant as school context.

Subscale	Mann			
Gender Variable	Whitney U			
Timely return of student	0.043			
work				
Structure	0.045			
Respectful	0.003			
Clear	0.018			
Listener	0.006			
Makes students work	0.005			
Fair	0.013			
Caring/ Understanding	0.001			
Patient	0.000			
Inspiring	0.007			

afraid to push students to do their best, but also be aware that not all students are "A"

> Tests help me, but I feel I lose interest in the actual subject because of testing.

Yes, girls tend to be more studious and serious about exams. It's important for males to have a teacher who <u>has humour</u>

Well when you are not worrying about whether your students have had breakfast or slept safely the night before, more time can be spent on science teaching.

The relational and affective aspects seemed to be more important to students than teachers, with teachers

There was a difference noted in the teaching perceptions from male and female however it was not as