

Rouan Wilsenach

Developing an Online Learning
Environment to Support Previously
Disadvantaged Schools in South Africa

Supervisors:

- Dr Hannah Thinyane
- Ms Ingrid Siebörger

The Problem



lack of
resources

So



computers being
deployed

But



learners don't
know how to
use them

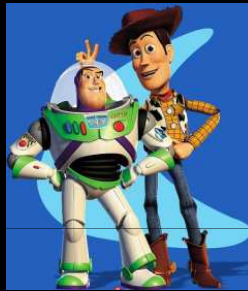


nothing useful on them

The Idea



web application



interactive lessons



ability for teachers to
create interactive lessons

Research Method



find out how to
structure and
present content



develop a prototype



evaluate success

High Level goals

intuitive

interactive

sustainable

Demonstration

<http://learnonline.ict.ru.ac.za>

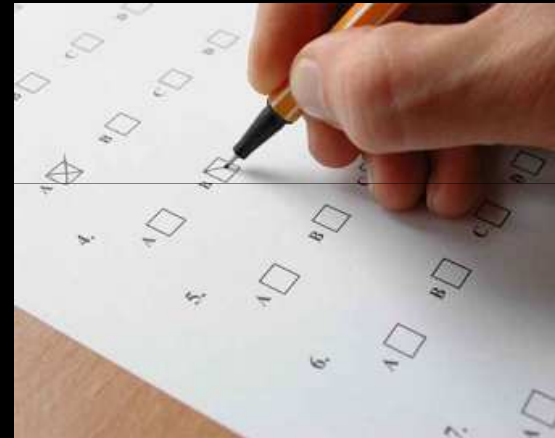
Evaluation

User studies



86 learners
22 teachers

Evaluation Form



15 Likert statements (1-4)
4 Open questions

Results

“A better way to learn. Much more fun and more interesting”



81.02%

Results: **Intuitiveness**

“very useful and easy to use”

10 minutes

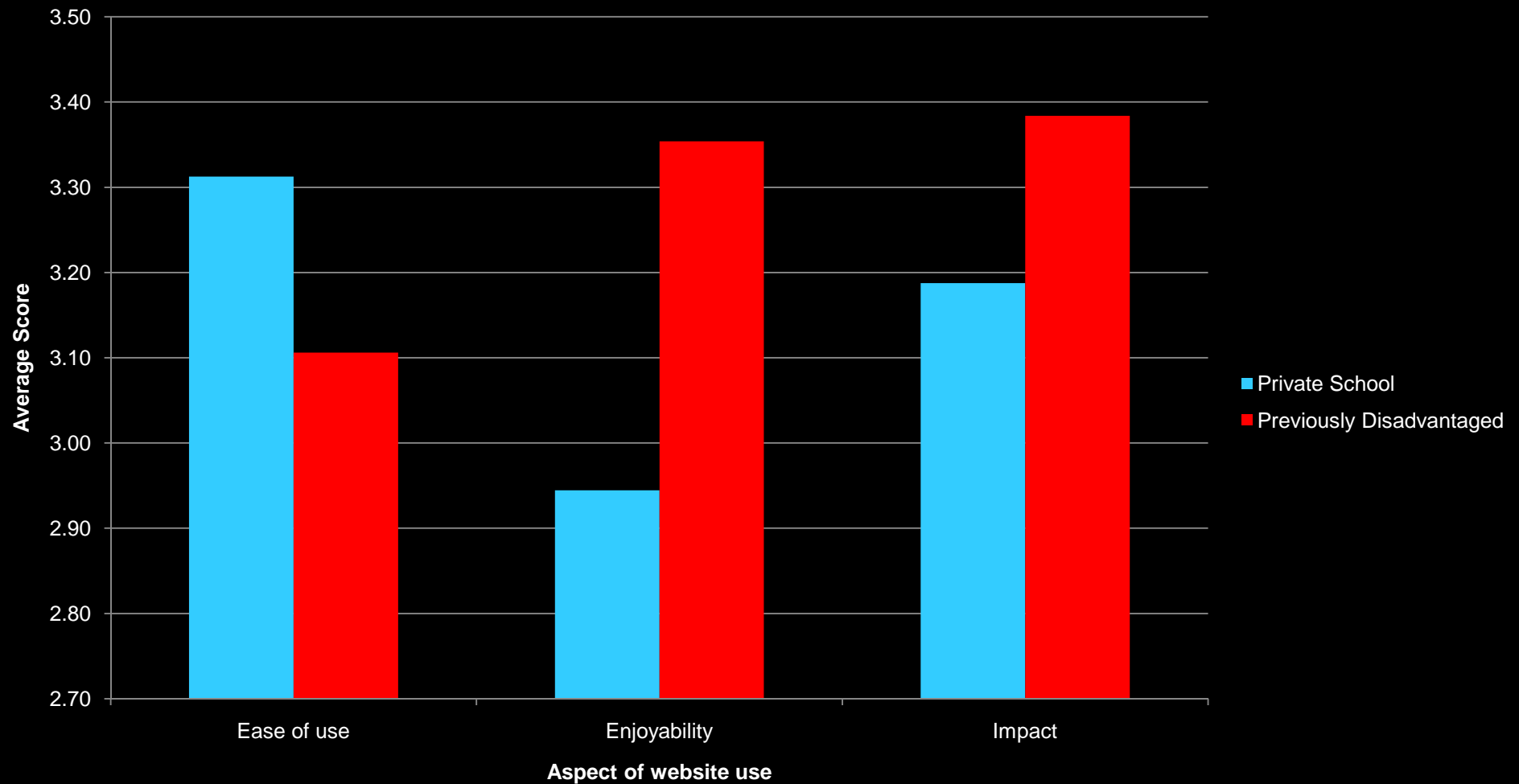
No instructions



79%

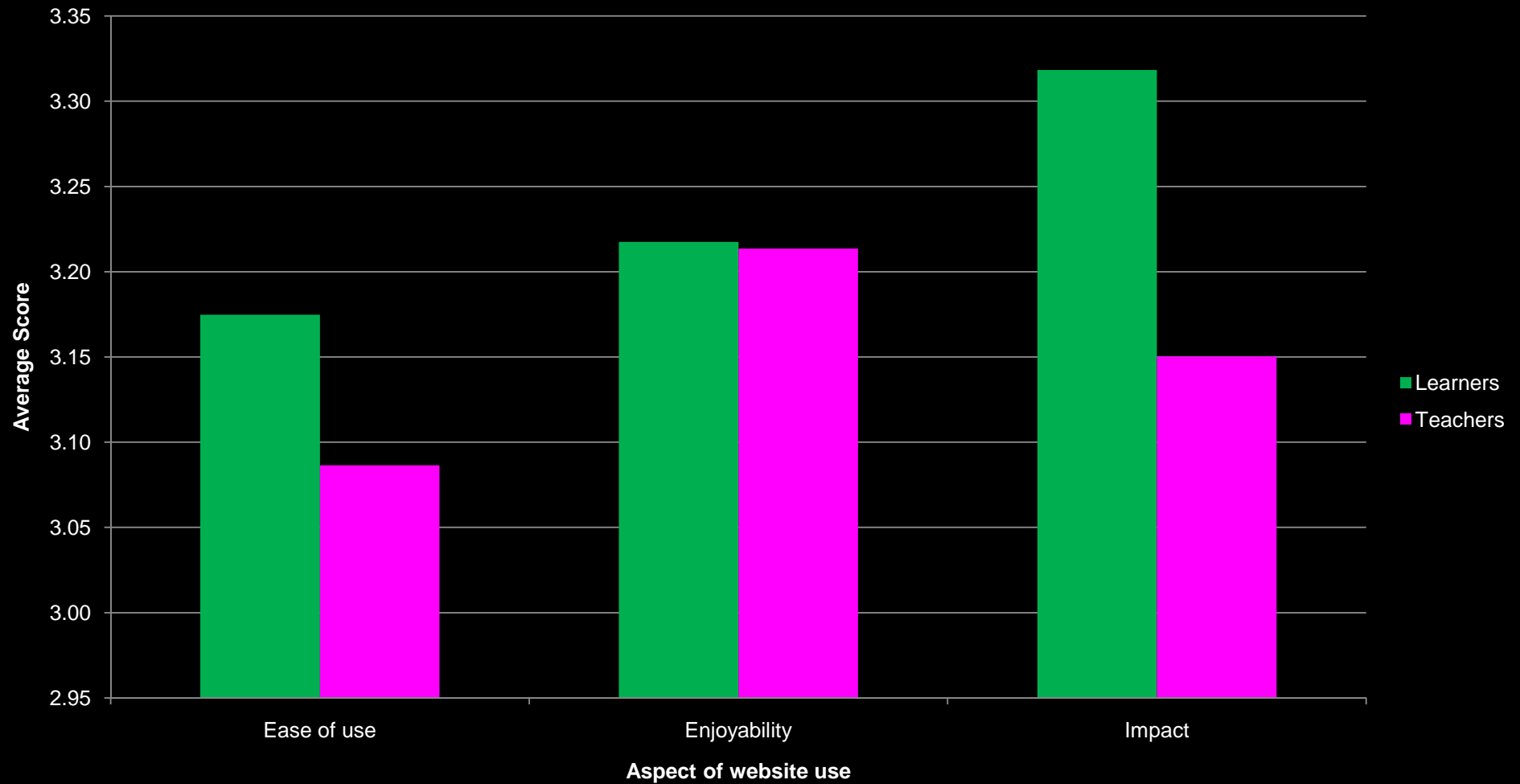
Results: Intuitiveness

Previously disadvantaged vs private schools



Results: Intuitiveness

Learners vs Teachers



Results - Interactivity

Multimedia



81%

“I saw the pictures and realised what the poem is all about”



Questions

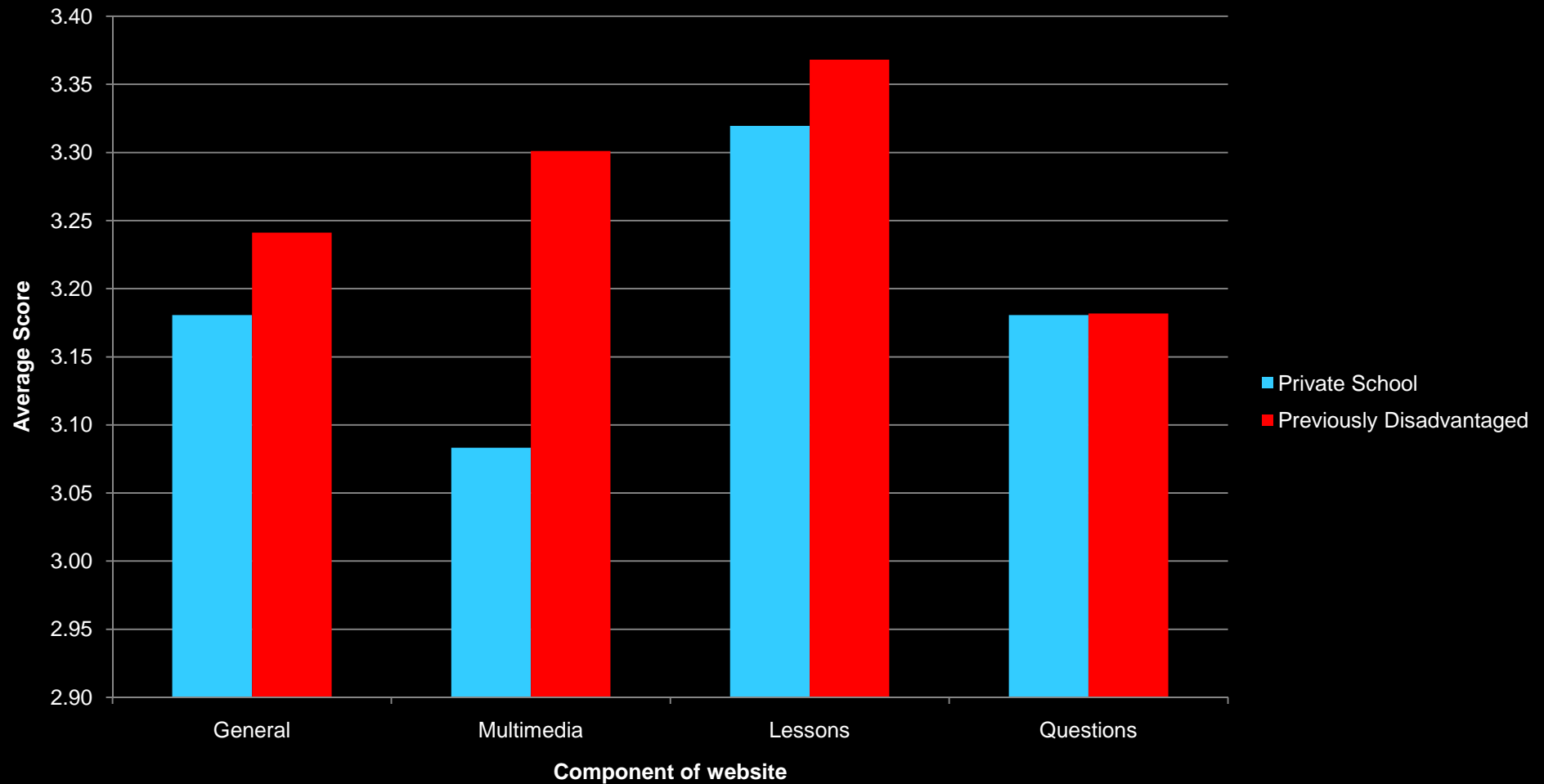


80%

“it will correct you so that you so that you can understand”

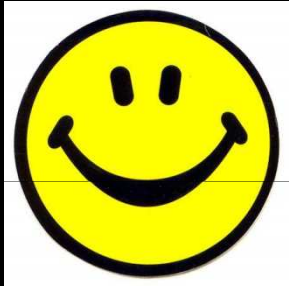
Results - Interactivity

Previously disadvantaged vs private schools



Results: Sustainability

Enjoyable

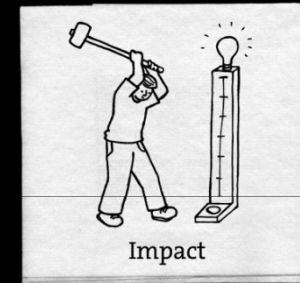


81%

“I loved everything about the site. I had fun while learning”



Impact on learning

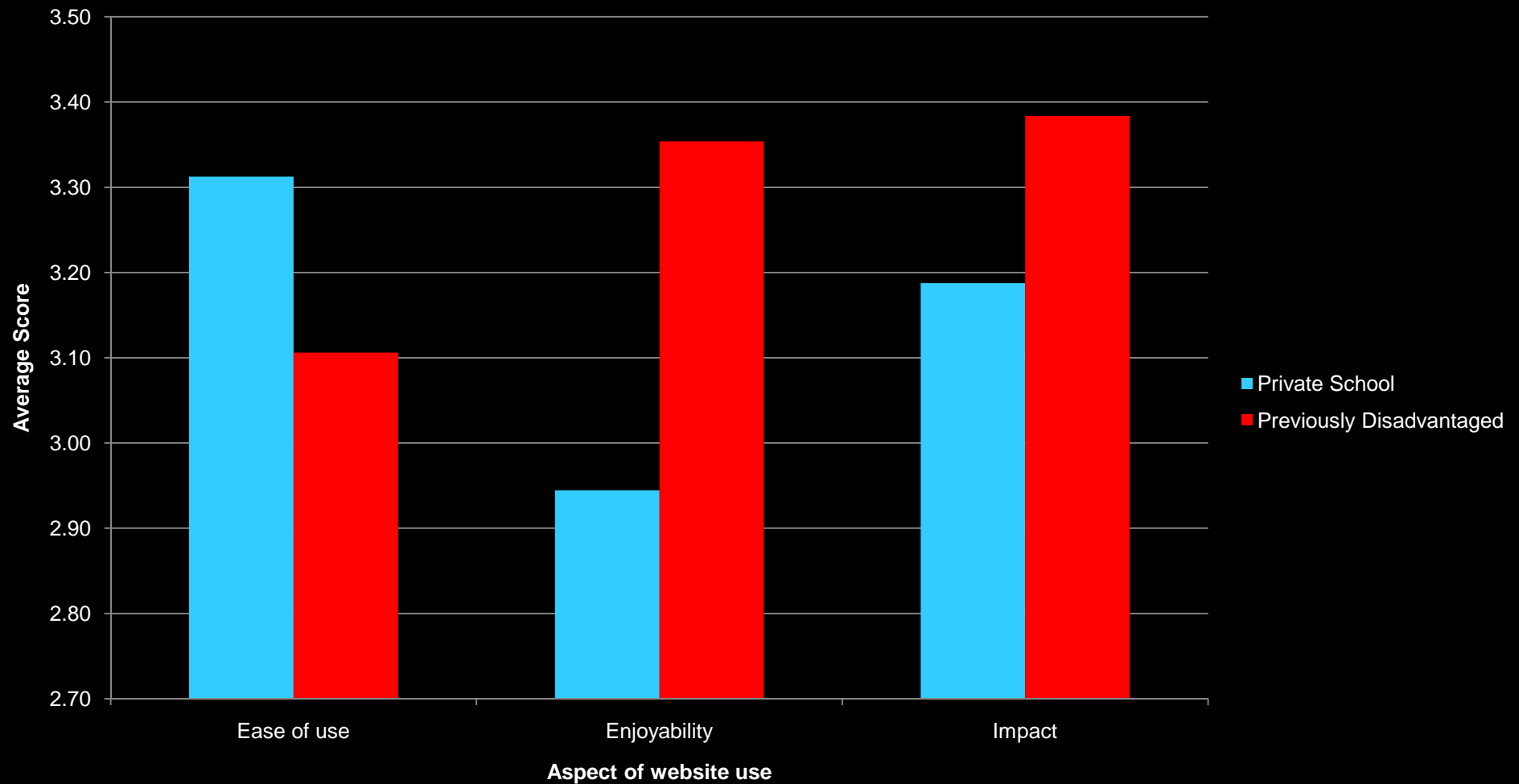


83%

“The website helped me to understand the poems better”

Results: Sustainability

Previously disadvantaged vs private schools



Conclusions

The results demonstrated that the prototype is an intuitive, interactive application that offers a sustainable solution to South African teachers and learners, particularly in previously disadvantaged schools.

Questions?

Grade 12 English Poetry

Learn

Contribute

Home Language

Sonnet 104
Ozymandias
[An Irish Airman Foresees His Death](#)
Preludes
you cannot know the fears i have
To Autumn

First Additional Language

Lessons on this poem

Lesson 1
[Lesson 2](#)
Lesson 3

An Irish Airman Foresees His Death By W.B. Yeats

1 | I know that I shall meet my fate
2 | Somewhere among the clouds above
3 | Those that I fight I do not hate
4 | Those that I guard I do not love
5 | My country is Kiltartan Cross
6 | My countrymen Kiltartan's pride
7 | No likely end could bring them out
8 | Or leave them happier than
9 | Nor law, nor duty bade me fight
10 | Nor public man, nor cheer
11 | A lonely impulse of delight
12 | Drove to this tumult in the clouds
13 | I balanced all, brought all to mind
14 | The years to come seemed but
15 | A waste of breath, the years

Multimedia

Images

