

Stronger because of my weakness...

(or is it a weakness?!).

Mamta Singhal

B.Eng, MSc, MBA, C.Eng, MIET

Chartered Design Engineer

Public Speaker

Women Engineering Society – Young Women Engineer of the Year winner

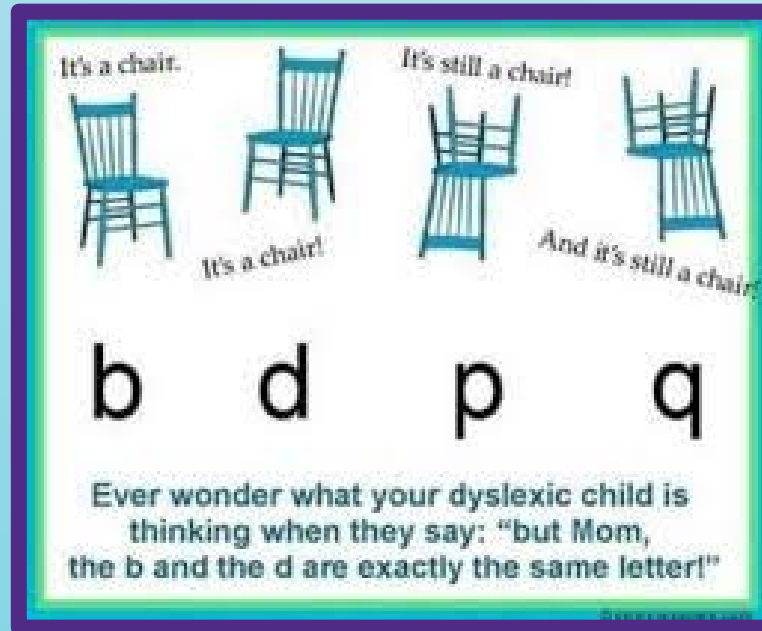


School, University and Life...



Council School in East Kilbride.

- Ethnic
- Aspiring Engineer
- Sporty
- Geeky
- Loved algebra
- Misfit



- I didn't fit in and hated it!
- I focused on the future – my dream.

School, University and Life...

B.Eng – Glasgow University

- One of the top universities in the UK
- The oldest engineering school in the UK.
- 67% drop out rate.



MBA

- Top business school in Scotland.
- Grade point average over 80%
- Was in the AMBA top 4 MBA students the Global awards and the only female.

Work experiences

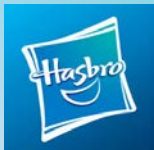
- Positives

- Global Work.

- Toy Engineering
 - Awards – YWE WES 2007
 - International work
 - Practical and product based.
 - Supportive teams
 - Language was never an issue.
 - Council for the IET

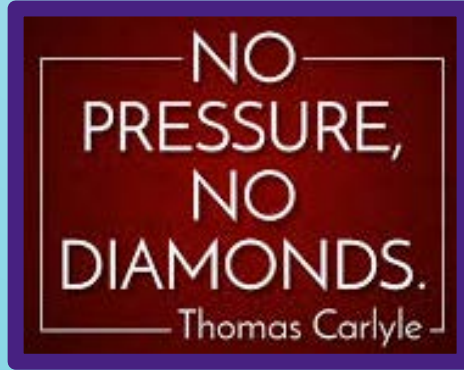
- What next...

- Fellowship?
 - Professorship?
 - Vlogger?
 - Promotion?
 - Changing the education system!!



Work experiences

Overcome any difficulties at work?



People have tried to use my dyslexia in industry to torment me, performance management me and to belittle me.



I have worked around it – great support from IET, Dyslexia Scotland and great friends/family.



Key messages

Teachers should always find the positive in dyslexic students – strategic thinkers, picture thinkers, empathy, logic recognition, mapping processes.

Assist students to choose education over entertainment.

Teachers, academics and public speakers can help blurry the lines. Learning is fun and a strong passion for learning can be golden ticket for a dyslexic.

They have strengths in areas such as:

- Music
- Maths
- Engineering
- Art/Design
- Sports
- Acting. Etc.

Dyslexia, though, made me realise that people who say "but you can't do that" aren't actually very important. I don't take "no" too seriously.

— Richard Rogers —



Tips

- Find opportunities to demonstrate a student's potential – they learn differently but very able.
- Understand their talent and know how to leverage it.

Think of the E's

- **Element** – what is their 'thing'?
- **Environment** – where will they thrive?
- **Energy** – what makes them excited, what is their frequency?
- **Education** – learn, keep learning and connecting.
- **Edge** – being different is a good thing. Stand out.
- **Execute** – tell the story well. Follow through and get results. WIN.



Rejection = redirection! Fail well.

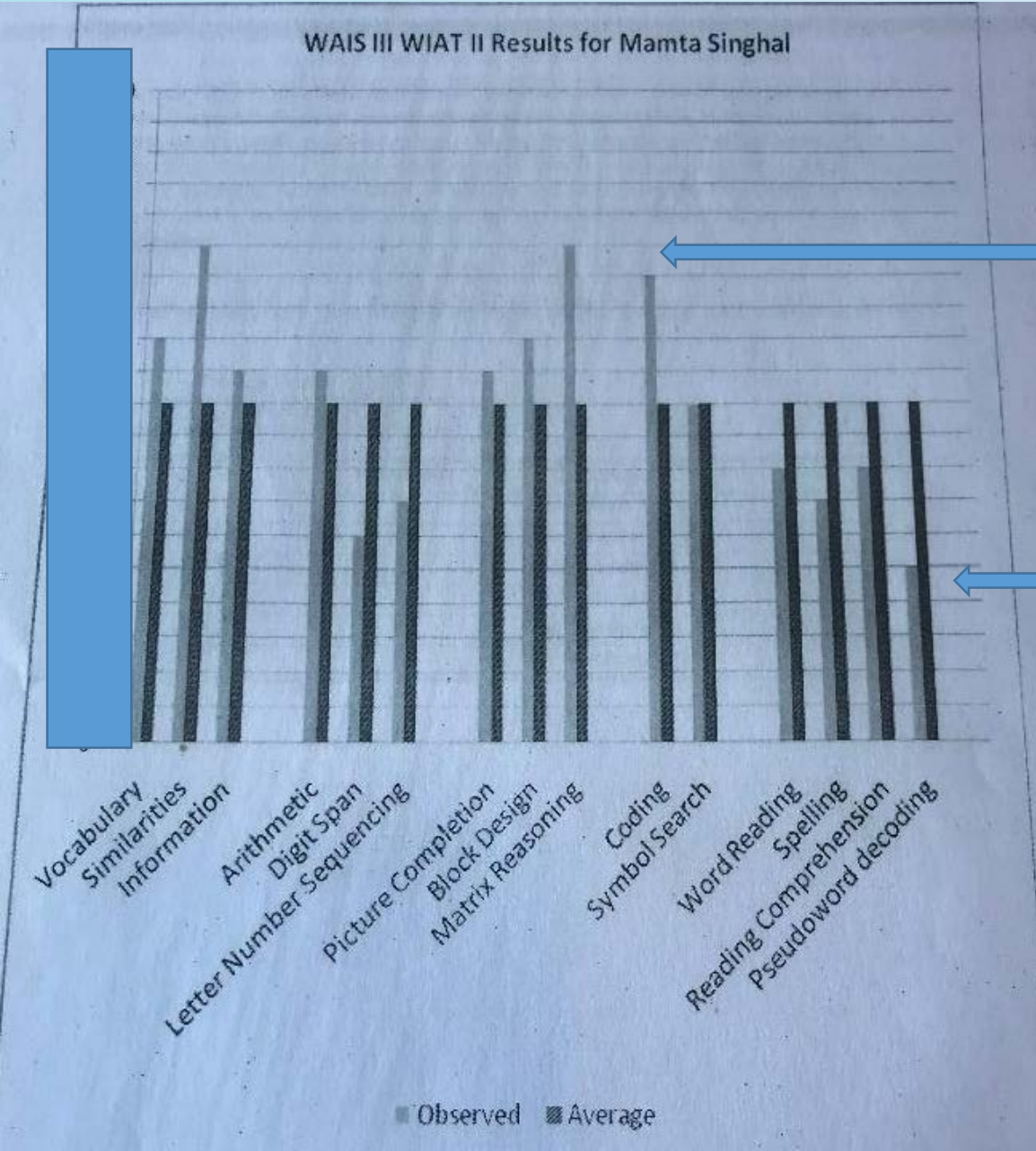
Use pictures, symbols and shapes to get work done

Support from 5 top people – students will become like their company!

They should make contacts. Support others. Selfless service.

Future

Spiky IQ profile



Future

#dyslexiability

#dyslexiabilies



Make it viral!

The strengths and
abilities that
dyslexics.

Future




I was written-off at School.

I have become a Chartered Engineer and aiming for my Fellowship.

Public speaker – on engineering, diversity and now dyslexia 😊

Your weakest students may actually be your brightest.

Dyslexics are multi-dimensional, out-of-the-box thinkers who are highly creative and successful in many areas including the arts, music, finance, mathematics, design and engineering.

 @dyslexicm

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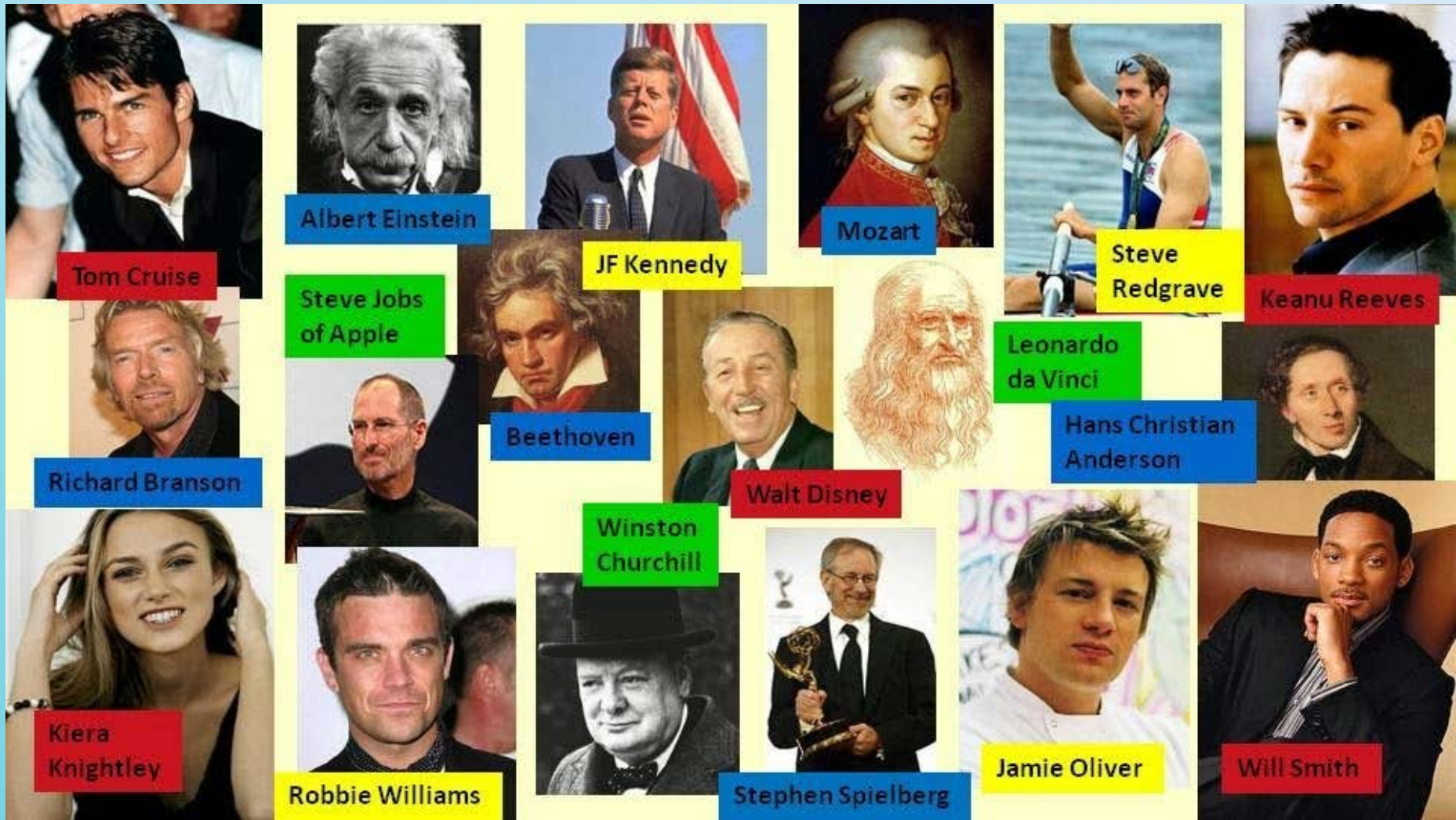
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Future



Spelling and language isn't a benchmark of success – for spelling there are spell-checkers. For unique thinking there are dyslexics.

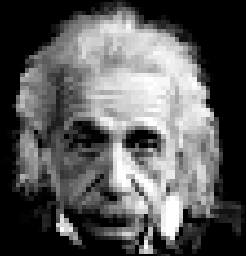
Future

Don't use a dyslexics vulnerability against us – help us reach our potential.

Change attitudes, perceptions and behaviour towards dyslexics.

If Einstein could do it then why can't other dyslexics.

His teachers said that he was mentally slow,
unsociable, and adrift in his foolish dreams.



Albert Einstein

Most recognized and well-known scientists



The End

Or maybe the beginning for you and me... make change happen