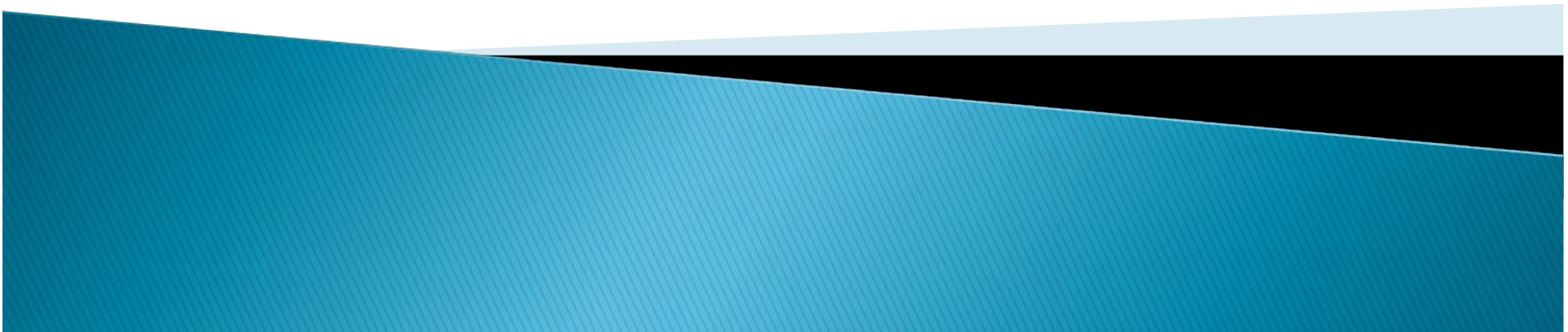
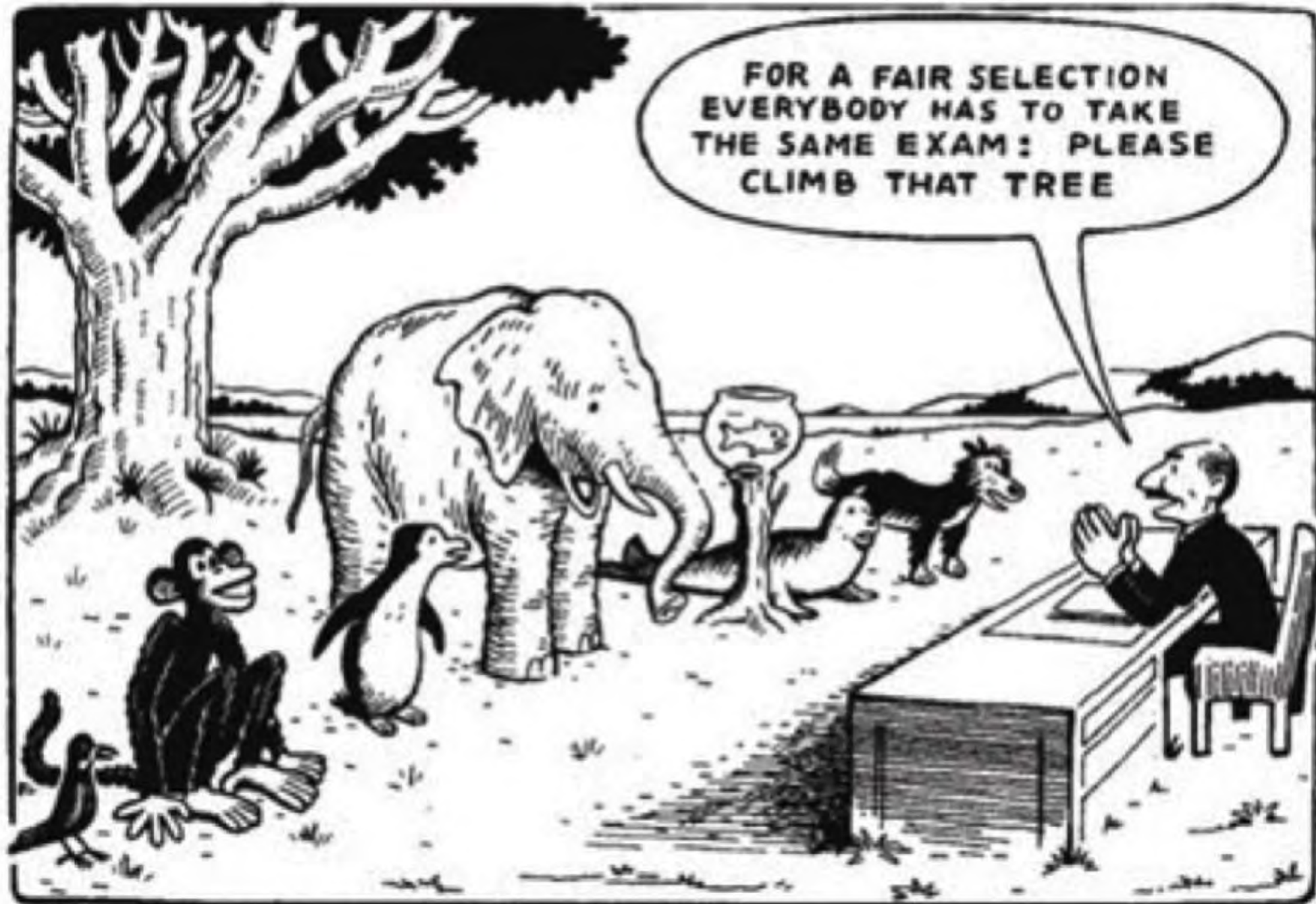


Autism – Straight from the Horse's Mouth

By Michael Barton



FOR A FAIR SELECTION
EVERYBODY HAS TO TAKE
THE SAME EXAM: PLEASE
CLIMB THAT TREE



Prevalence of Autism

NAS – 1 in 100

CDC – 1 in 59 (1.7%)

2.9% in New Jersey

130 million autistic people in the world

Only true for people with a diagnosis!



What do we mean by autism?

Being very passionate
about a specific topic

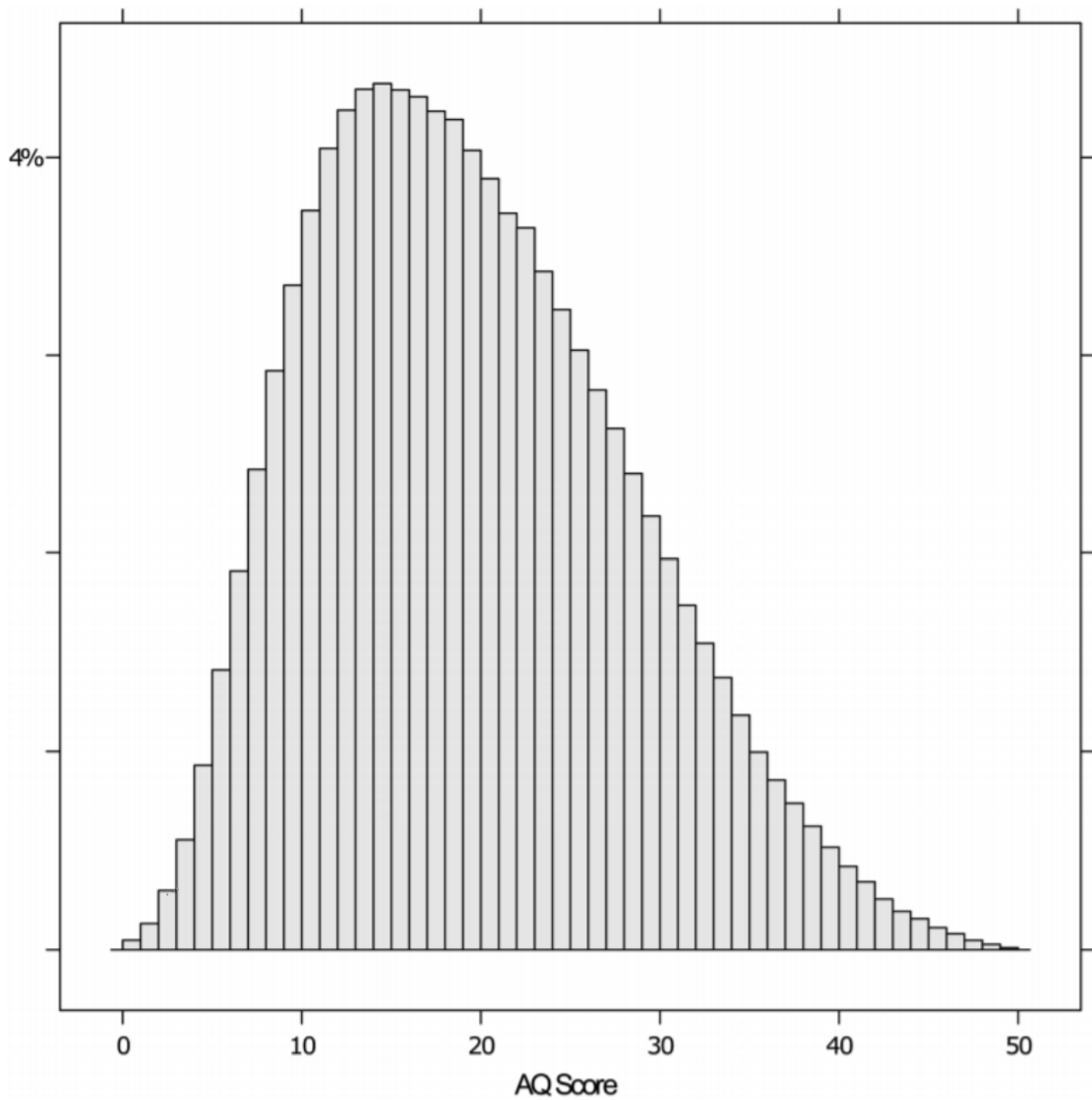
Benefit a lot from having
a schedule

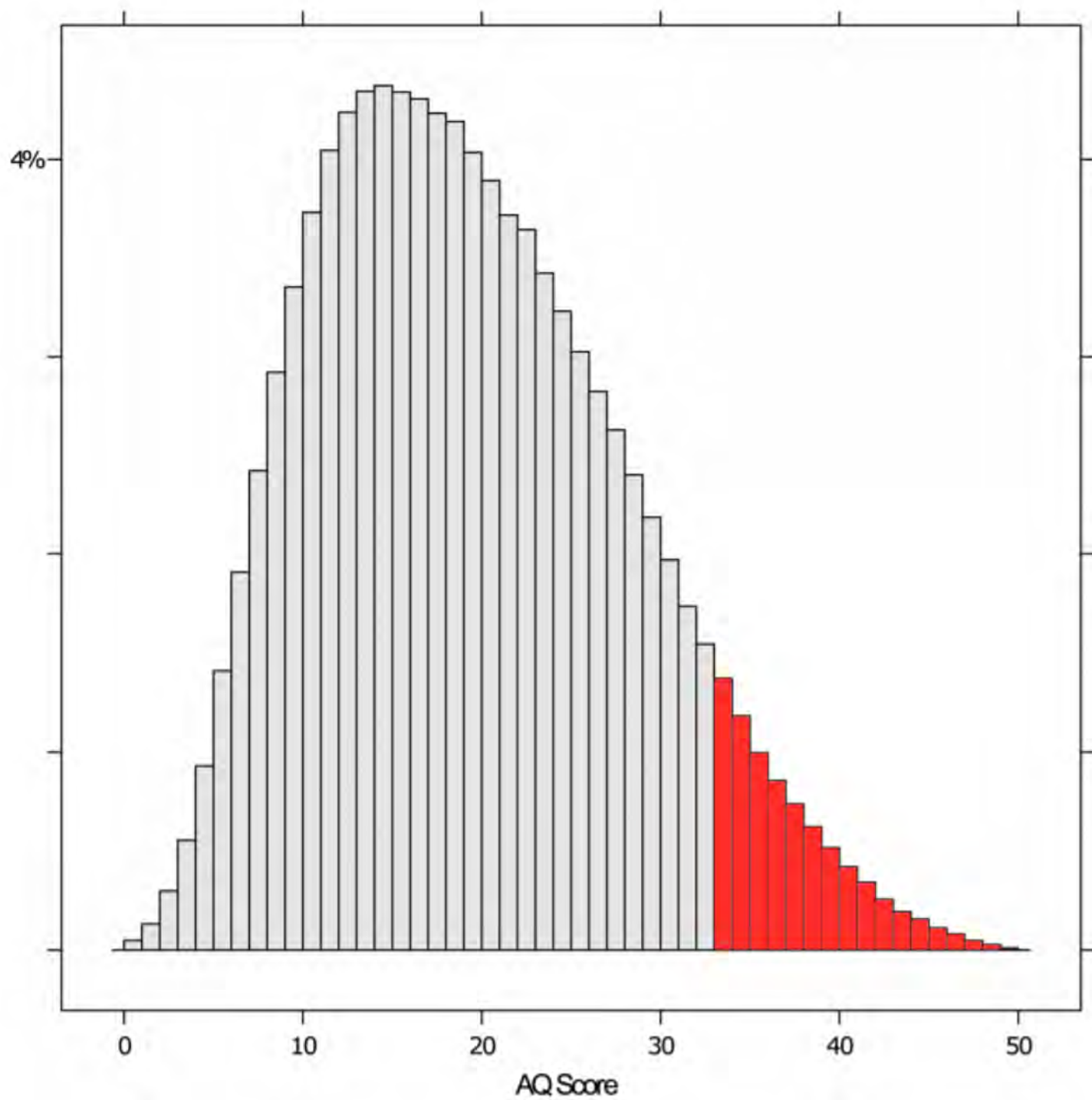
Difficulty getting on with
other people

Logical way of thinking

Like to spend time on
your own

Dislike change





The Challenges of Being Different

“People with autism do not suffer from it but they do suffer from the ignorance of other people”

Autism Spectrum Disorder

Men are from Mars, Women are from Venus, Autistic people are from Jupiter



NAS Statistics

16% of autistic adults are in full-time employment

- 32% of autistic people in some form of work
- 47% of disabled people
- 80% of general population

Over 40% of children bullied at school

Over 25% have been excluded

70% have mental health issues



School

Every teacher will teach an autistic child

Training only became compulsory September 2018

- **58%** of autistic pupils said that the single thing that would make school better for them was if teachers understood autism.
- **60%** of teachers said they didn't have the training they need to teach autistic pupils
- **44%** of teachers said they do not feel confident teaching autistic children



Characteristics of autism

Poor social and communication skills

Lack of Theory of Mind

Difficulty understanding non-verbal communication

Lack of eye contact

Brutal honesty

- Tactless or blunt

More important to know the truth

Need to be explicitly taught social skills

Foreign country



Logical Thinking

“Black and white” way of thinking

Fine for Maths and science

Not so fine for English...



Quadrilaterals; Perimeter

Name hope

Name the quadrilateral.

rectangle rhombus parallelogram

1.



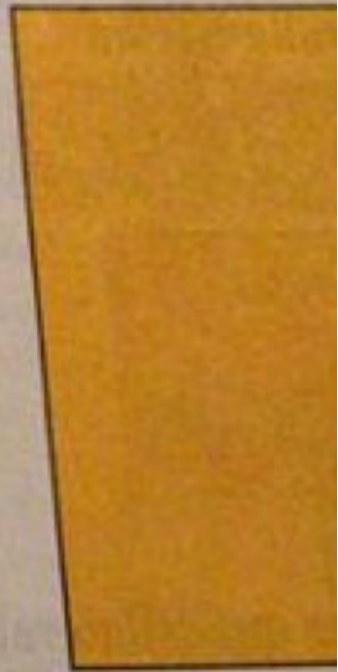
Bob

2.



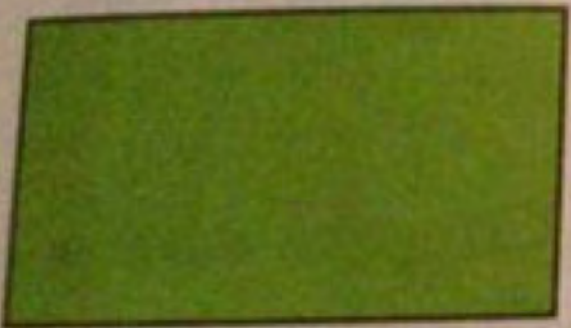
Sam

3.



hary

4.



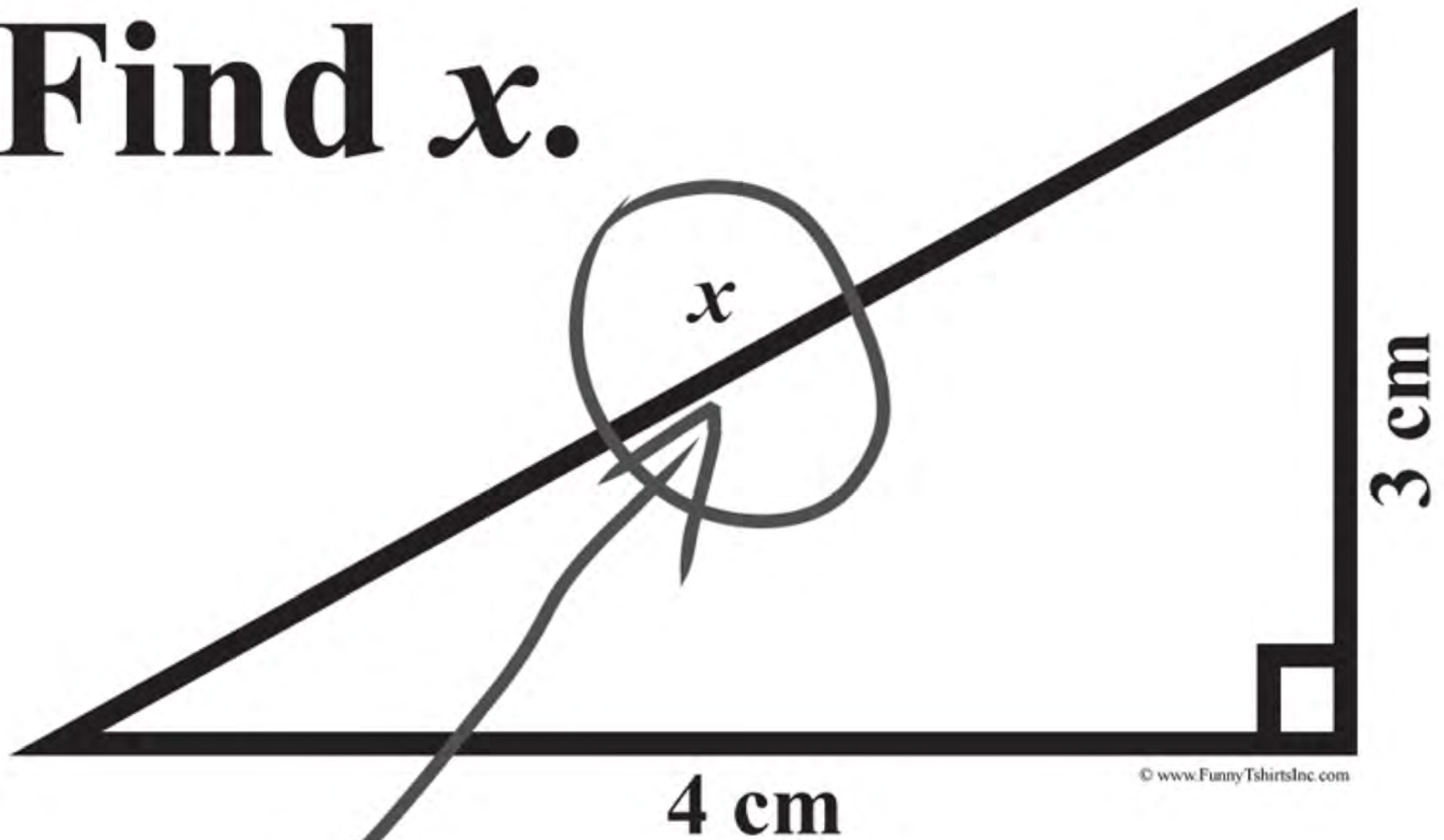
Tedison

5.



Cate

Find x .



© www.FunnyTshirtsInc.com

Here it is

Other Characteristics

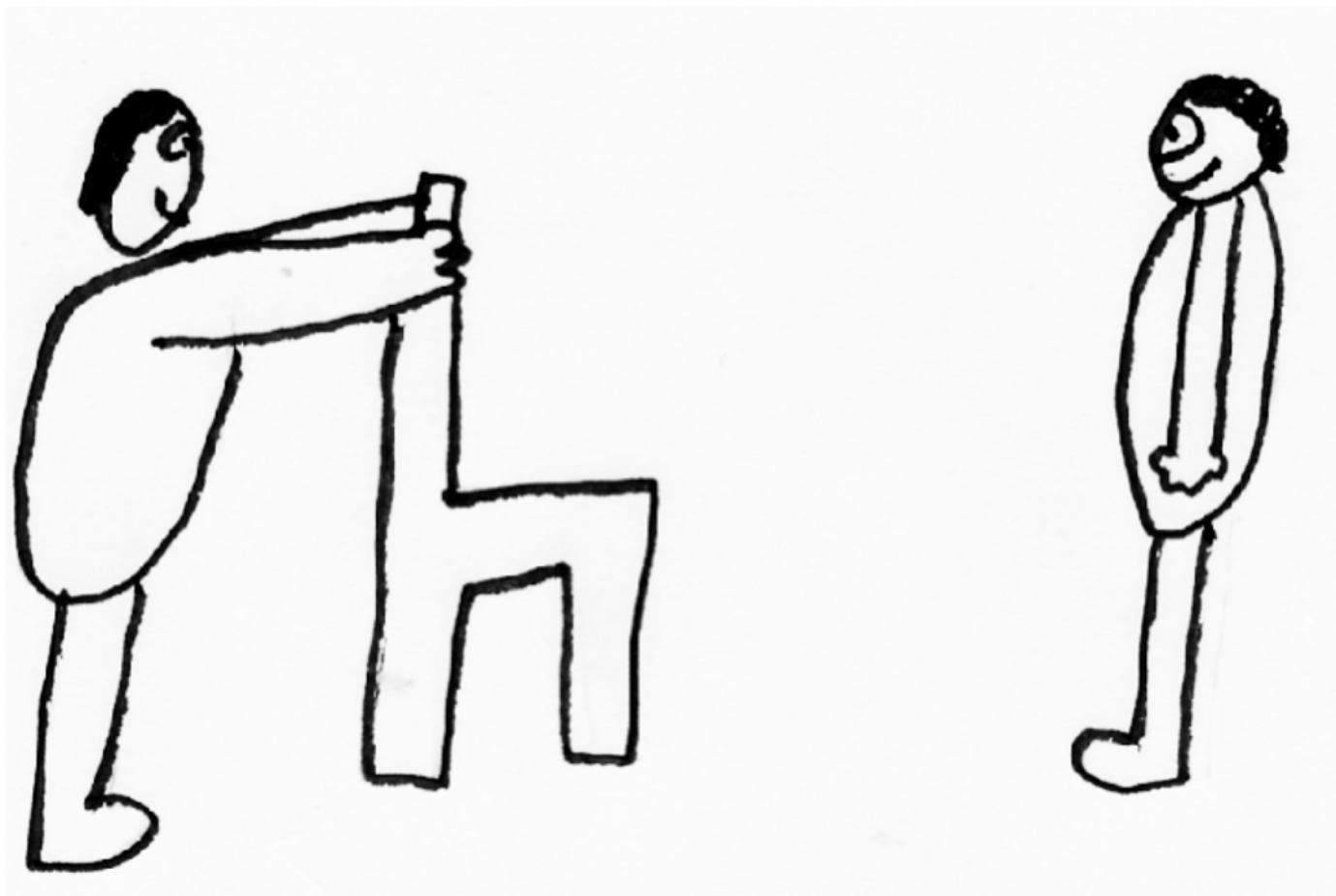
Uneven profile

Developmental condition

Literal thinking

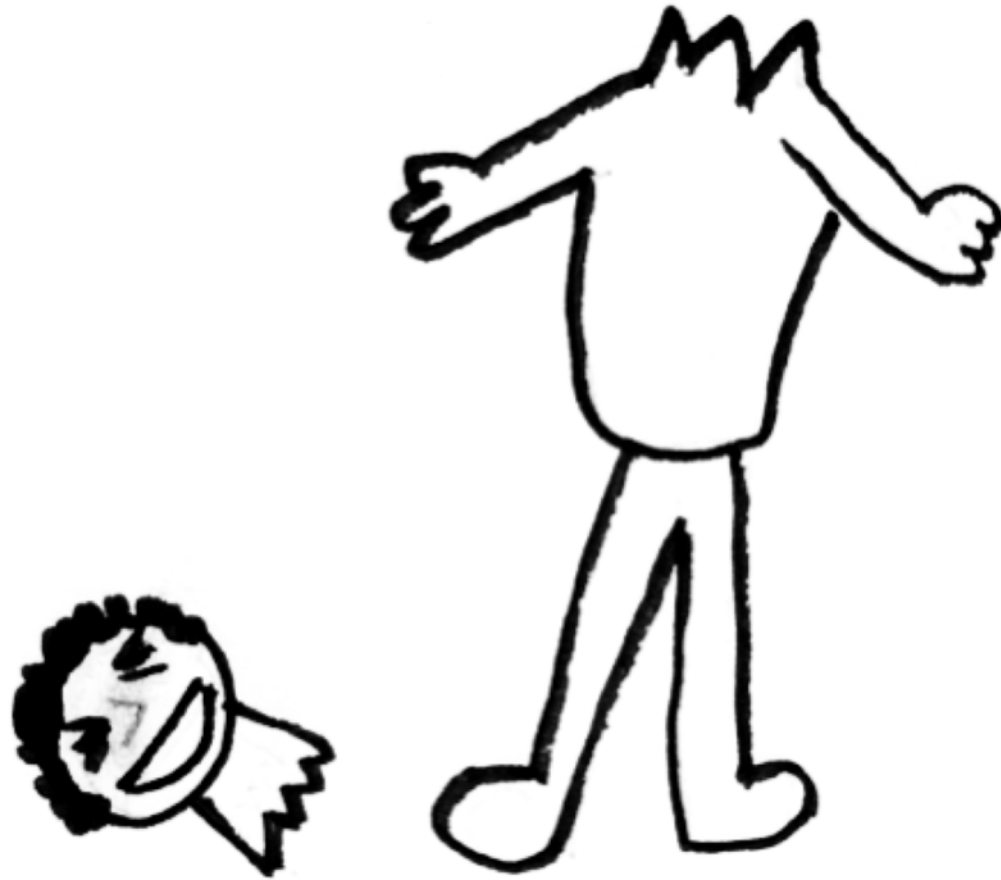


Take a seat



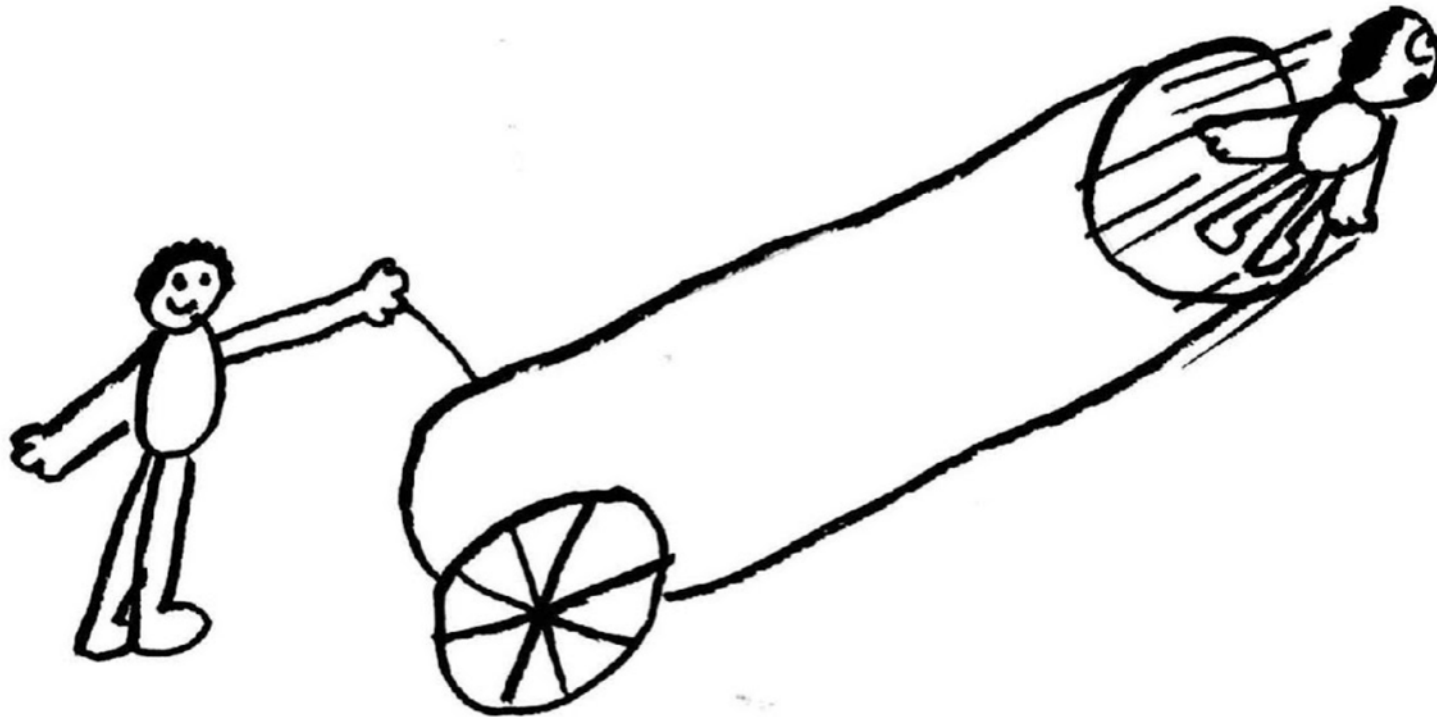
Sit down

He laughed his head off



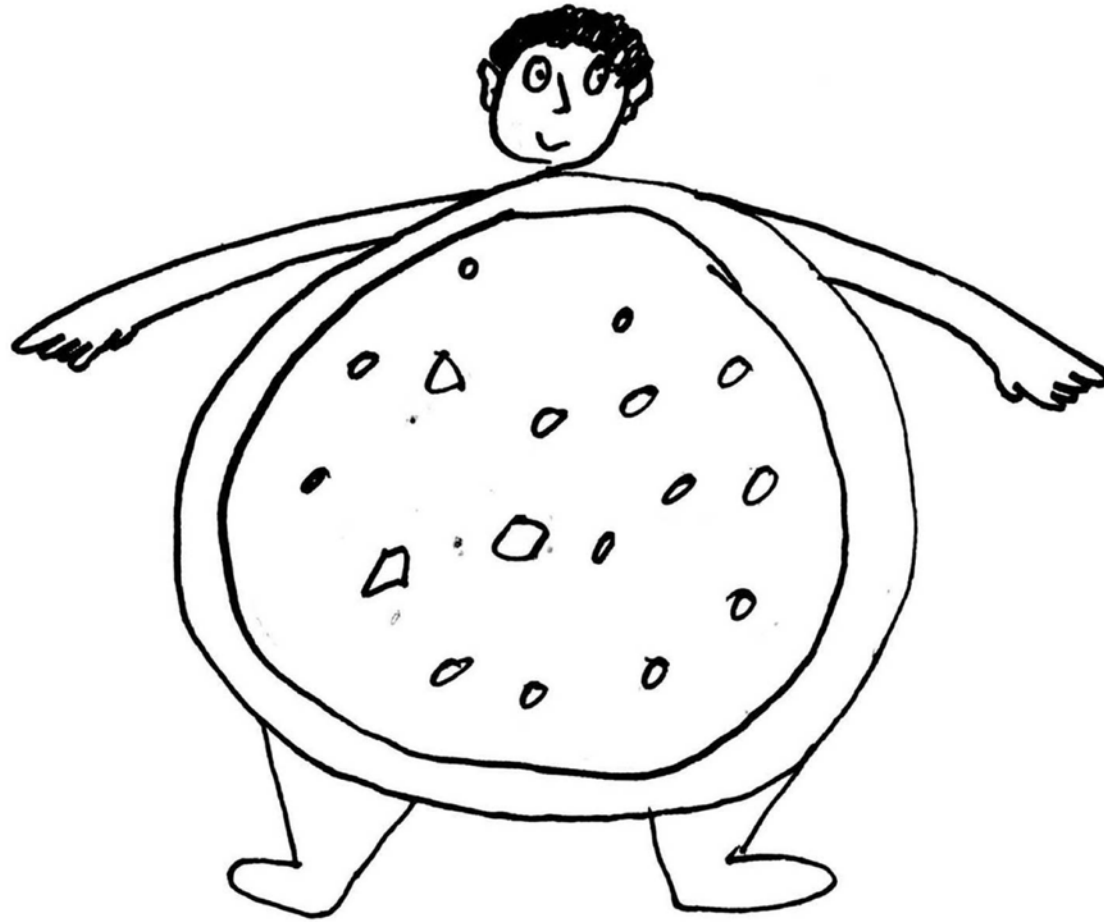
He laughed a lot

You're fired!



You've lost your job

I feel like a pizza



I would like a pizza

WRITTEN AND ILLUSTRATED BY MICHAEL BARTON

IT'S RAINING CATS AND DOGS



AN AUTISM SPECTRUM GUIDE TO THE CONFUSING WORLD
OF IDIOMS, METAPHORS AND EVERYDAY EXPRESSIONS

Indirect Requests

“Would you like to sit down?”

Could be interpreted as insolence

Make sure you say what you mean

“Can you ...”

Dodging the question

I still get caught out!

Single-mindedness



Instructions

Signs and instructions

Should be helpful

This isn't always the case...





Guide
dogs
only



siMuslim





Children



**Dogs must
be carried**



No smoking



Children under 5 and
dogs must be carried

43



WRITTEN AND ILLUSTRATED BY MICHAEL BARTON

A DIFFERENT KETTLE OF FISH



A DAY IN THE LIFE OF A
PHYSICS STUDENT WITH AUTISM

Special Interests

Help them control their environment

Fascinated by the small details

Dinosaurs, sharks, universe

Pokémon

Learning tool



Music

Common interest

Routine and repetition

Groups & jam sessions

Helped me to make friends





INSIDER INTELLIGENCE

Bittersweet
on the
Autism Spectrum

Edited by Luke Beardon, PhD
and Dean Worton

Judo

Clear instructions

Helps prevent bullying

Self defence

Exercise

Stress buster

University of Surrey Judo Club



Focus

Very high skill level

World expert

Thinking outside the box





“The best thing a parent of a newly diagnosed child can do is watch their child, without preconceived notions or judgements, and learn how the child functions, acts, and reacts to his or her world. Only then are you able to teach them effectively”.

What can you do?

Special interests

Positive Reinforcement

Routine

Clubs

Take your time

- They use conscious mental calculation instead of intuition





Numerous groups for all ages

- Tots
- Juniors (4–8)
- Inters (9–13)
- Seniors (13–25)

Big Bang (7–13)

Play Schemes

Residential Trip



University

Being different is more accepted

Induction program

Mentoring and additional support

Obscure interests can make you friends

Control over environment



Employment

Very focused

Exceptional attention to detail

Punctual

Reliable

Quick learner

Honest

People focus on the deficits



Here in Britain we take our security very seriously...



Employers

Skills are often overlooked

Diverse range of people

Companies need different skills and original ideas

Special interest could be key

My skills are being recognised

Fast, accurate and very focused

I'm a valuable member of the team



Employers

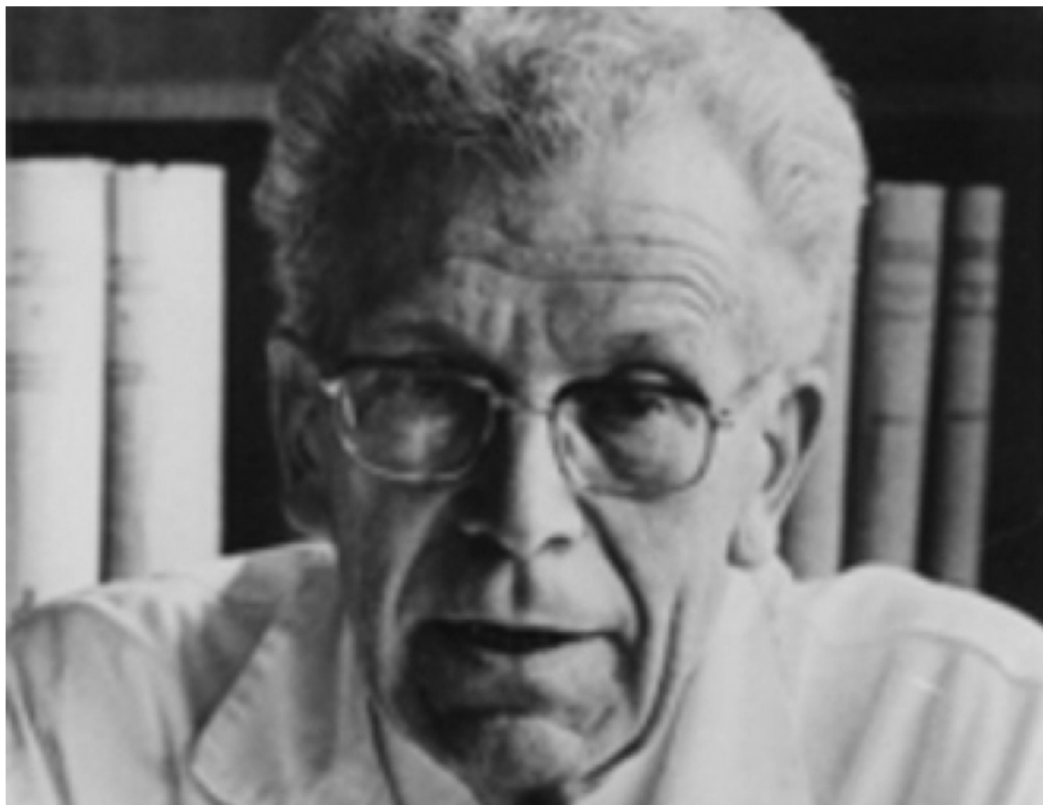
Increased awareness

Companies actively recruiting autistic people

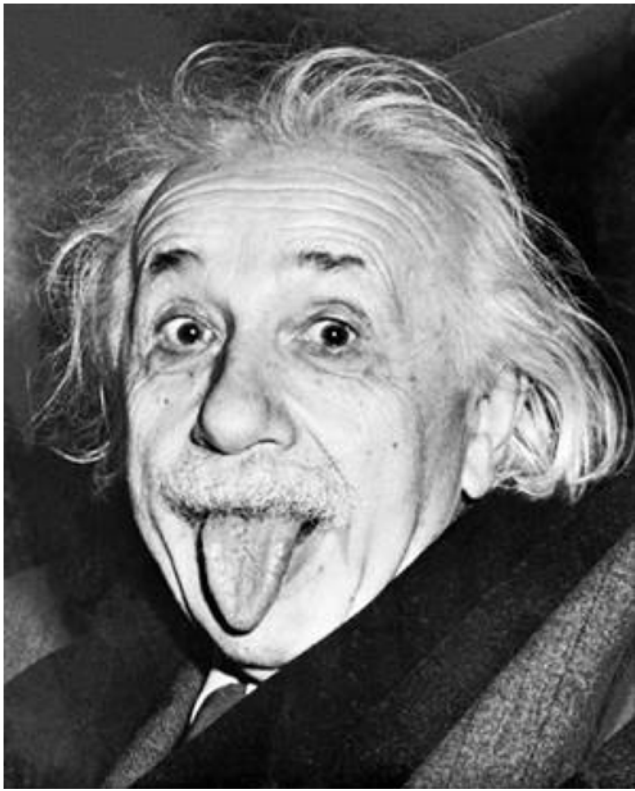
- SAP
- Microsoft
- Vodafone
- Ford
- Israeli Defence Force

Cardiff Department of Highways and Transport





“Able autistic individuals can rise to eminent positions and perform with such outstanding success that one may even conclude that only such people are capable of certain achievements.”



“Here’s to the crazy ones. The misfits. The rebels. The troublemakers. The round pegs in the square holes. The ones who see things differently. ... About the only thing you can’t do is ignore them. Because they change things. They push the human race forward.”

Steve Jobs

Genetics

More females entering the scientific sector



LET YOUR LOVE LIFE LIFT OFF ON NEW SCIENTIST CONNECT



We all know it's not rocket science trying to find that special someone with whom we connect, even though it sometimes feels

Genetics

More females entering the scientific sector

New Scientist dating

Parents met at university

Grandfathers were both engineers



Incidence of Autism

Beneficial characteristics

Increasing incidence of autism

3-fold increase in Silicon Valley

4-fold increase in Eindhoven

Ideal brain for the scientific revolution!



Neurotypical Diagnosis

Inability to concentrate for long periods of time

Lack of attention to detail

Poor memory for facts and figures

Use elaborate language and do not say what they mean

Like to talk about trivia





Thanks for listening!



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