INTRODUCTION

PAUL HEDE, ARCHITECT

DIRECTOR – HEDE ARCHITECTS PTY LTD, AUSTRALIA

- DISABILITY IN OUR SOCIETY
- THE REACTION
- CASE STUDIES AUSTRALIA
 SCANDINAVIA
 USA
- DISCUSSION

DISABILITY IN OUR SOCIETY THE COMMUNITY RESPONSE

HOW DOES SOCIETY VIEW IT?

• Disability is a part of society - in Australia

668,000 are disabled out of a population of 23million

- It is not an oddity
- It should not involve pity
- Focus should not be on what they can't do
- It is the parents' problem



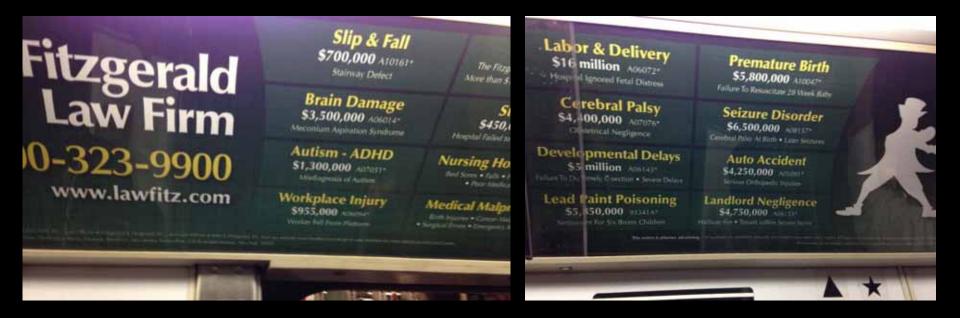
"There are problems with the system, not the children" Senator Sue Boyce, Queensland



DISABILITY IN OUR SOCIETY THE PARENT'S RESPONSE – THE EARLY YEARS

- Informed at birth
- Slowly observing child
- Missing achievements
- Developing habits
- Let's go and see what is going on
- Slow acceptance

DISABILITY IN OUR SOCIETY COMMUNITY RESPONSE



Subway Advertising - NYC

DISABILITY IN OUR SOCIETY COMMUNITY RESPONSE

- Society Reaction
- Education Response
- Community Response
 - Australia
 - Europe
 - USA
- Education Response
 - USA,

Break up / diagnosis, US compartmentalization

- Scandinavia, Australia
- Early Intervention
- Formation of a plan

Private Public

DISABILITY IN OUR SOCIETY

PORT PHILLIP SPECIAL DISABILITY SCHOOL (TRANSITION LEARNING CENTRE)

- EARLY INTERVENTION AND TRANSITION TO POST SCHOOL



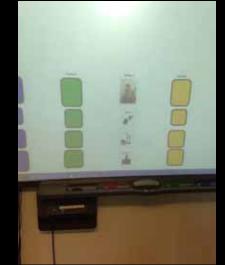
DISABILITY IN OUR SOCIETY SPECIAL SCHOOL, DENMARK





Reused old villa – Early Years, Parents Education

> Interactive planning whiteboard





DISABILITY IN OUR SOCIETY THE SCHOOL RESPONSE

- Australia
- Scandinavia

System of Special Schools and integration in mainstream schools Student centred plan State of Victoria, Australia Total School Population 12,000 disabled in regular schools 10,700 in special schools Total School Population 565,000

- USA
- Disabled special schools "Typical fee of \$60,000USD per annum"
- Integration into mainstream
- •Student centred in part but maintenance of standard curriculum

DISABILITY IN OUR SOCIETY

WHAT ABOUT THE PARENTS / SCHOOL RELATIONSHIP

•Parents assisted in acceptance

•Full contact with schools

•Growing engagement with other parents

School support / education / training

•Schools must commit to this part of their role

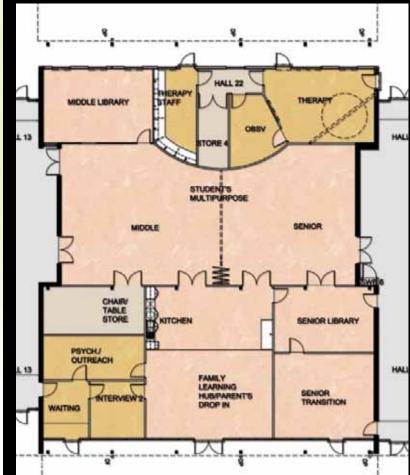
"Unfortunately, success at school for a child like mine is at the mercy of number crunchers. But, I was told, we were lucky. The school was allocated funding to support a teacher's aide for 2.5 hours a week, which is as good as it gets. But not nearly enough."

Karen Pakula, The Parent

DISABILITY IN OUR SOCIETY EASTERN RANGES SCHOOL, AUSTRALIA



PARENTS AREA



DISABILITY IN OUR SOCIETY COMPARISON OF SETTINGS SPECIALIST MAINSTREAM

- Curriculum to suit life skills and future
- Acceptance of student individuality individual plan
- Nurture strengths, work of students' interest
- Seek to reduce weakness
- Life Skills: try to identify options for future life
- Create employment opportunities
- Ease student into post school activities, adult centres
- Nurture friendships

- One size fits all
- Supply of aid to assist to meet requirements of inclusion keep up, catch up
- Increasingly student centred, trying to follow interests – changing pedagogy
- Seek to fill gaps
- Subject based: curriculum geared to academic achievement
- Employment base on grades
- Work Placement
- Not a concern of schools.
 'normal students'
 however many are not coping bullying,
 depression, alienation.

DISABILITY IN OUR SOCIETY

COMPARISON OF SETTINGS⁻

- MAINSTREAM SCHOOL DISABLED STUDENTS BASE
- INDIVIDUAL OPTION / COLLECTIVE OPTION

HOMEHOF SECONDARY SCHOOL



DISABILITY IN OUR SOCIETY COMPARISON OF SETTINGS - SPECIAL SCHOOL

WESTERN AUTISTIC SCHOOL, AUSTRALIA



DISABILITY IN OUR SOCIETY DESIGN PRINCIPLES FOR ALL STUDENTS

- Analysis of student
- Understanding their disability
- Giving them the training to learn about themselves
- Capacity to learn
- Capacity to cope with the school
- Need for control of environment Acoustic, hearing
- Behavioural problems
- Time out
- Stressful situations areas to calm
 - Indoor
 - Outdoor

DISABILITY IN OUR SOCIETY DESIGN PRINCIPLES FOR ALL STUDENTS

ITEMS APPLYING TO ALL STUDENTS – NOT JUST DISABLED

- Lack of interest
- engagement
- Is education system for all so different
- Depression, Inspiration can disable any student
- Individual motivation always required

DISABILITY IN OUR SOCIETY WHERE IS EDUCATION GOING? WHAT IS SUCCESS?

Christian Long – 2013 CEFPI Conference in New Zealand Cannon Design

"Failure is an attitude. Need to break things to create NEW".

• Need to prepare young people for LIFE.

"Get comfortable with NOT QUITE RIGHT. Fail better, fail faster."

• How do students go right through school and end up disillusioned, isolated

• Autistic students went right through mainstream yet only discovered as adults when at home – isolated, no activity, no friends.

• Evaluation to be based on engagement with student, get them to initiate learning, give them tools for learning, offer support, understanding, link to society.

CASE STUDIES

SPECIALIST SETTINGS AND MAINSTREAM

AUSTRALIA

- Port Philip SDS
- Northern School for Autism
 - Evolution of the Design
- Western Autistic School
- Eastern Ranges School
- Merriang Specialist School
 - Masterplan & Stages
 - Stage 1
- Berandale / Katandra Special School

SCANDINAVIAN

- Special School
- Homehof Secondary School
- Specialistern
- Hellerod School
- Svenska Skolan School for Blind
- Saunalahden Koulo Espoo

USA

- Gateway School, NYC
- Learning Spring School, NYC
- St Colletta School, Washington DC





An Arts based curriculum

AUSTRALIA







PORT PHILLIP SPECIALIST SCHOOL

Fully serviced school model

- Bridge linking first floor
 - University of Melbourne Teacher Training

Support Services

- Physio / Speech / Occupation
- Dental Surgery
- Parents / Staff Resources Room
- ICT Centre
- Full Arts Based Curriculum



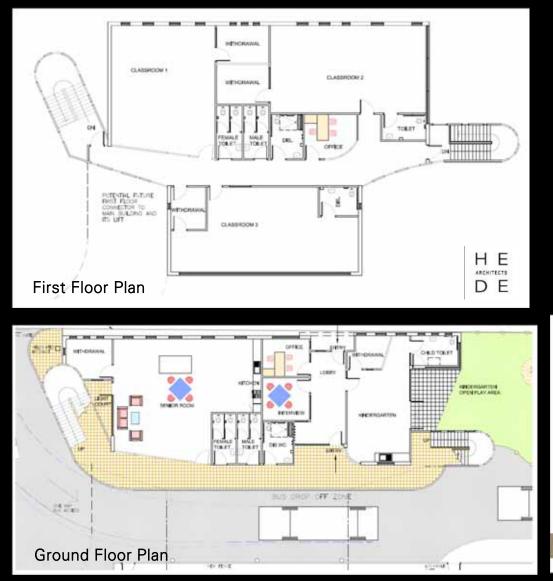
Stage 4 Works

An Arts based curriculum

An Arts based curriculum



This involved the design & construction of a new Performing Arts Centre. New spaces included a Performing space, Kitchen, Drama, Music & Art Rooms & Homecrafts Area.



Transition Learning Centre

This is a new building Hede Architects have designed for the Port Phillip Specialist School. It contains three large classrooms as well as senior student spaces & an Early Learning Centre.

Transition Learning Centre

Port Phillip Specialist School

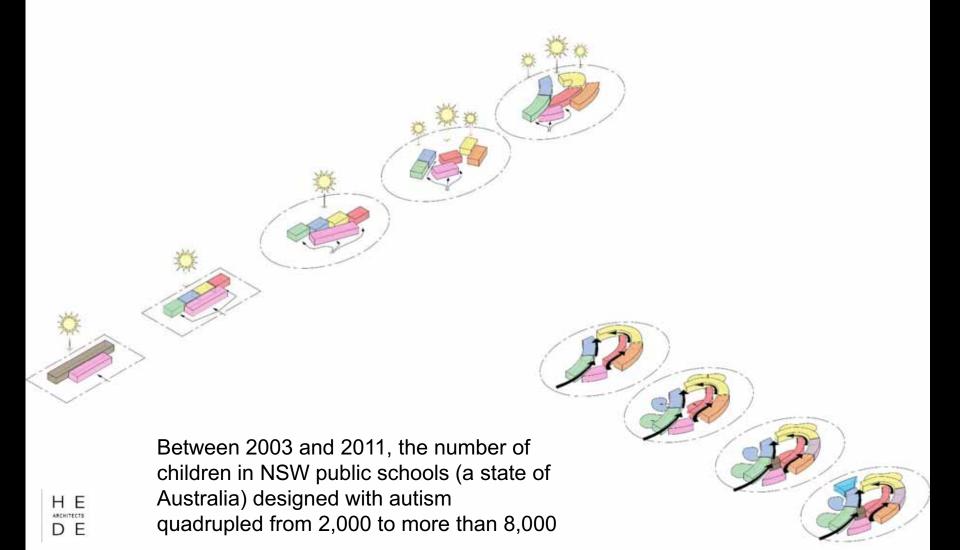


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2013 AUSTRALASIAN CEFPI

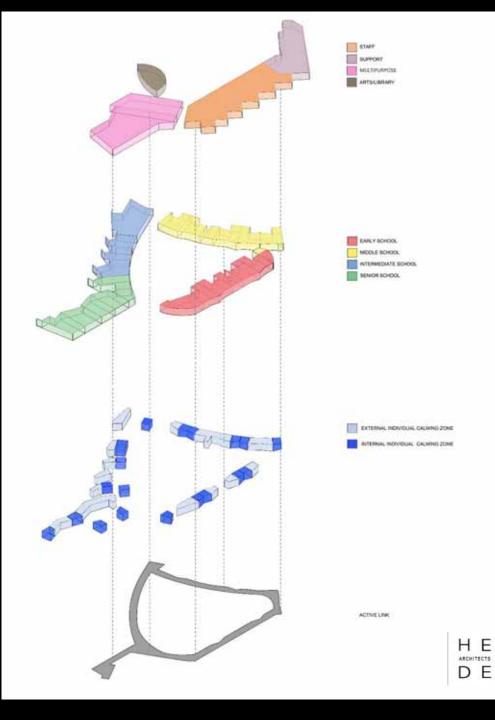
BEST BUILDING OF CONFERENCE - WINNERNEW CONSTRUCTION - WINNER

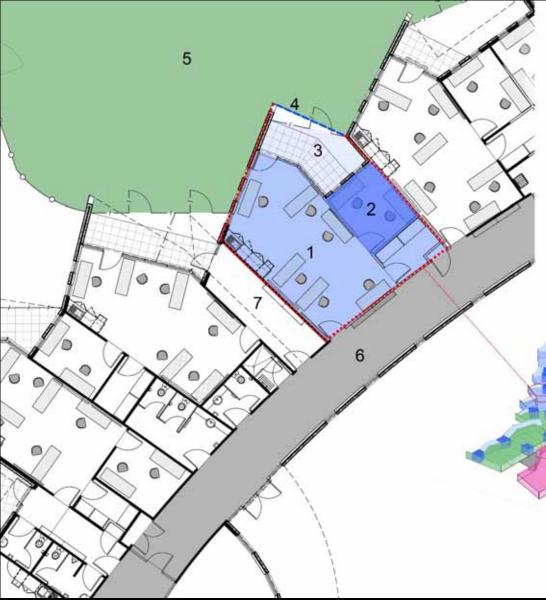




AUSTRALIA

NORTHERN SCHOOL FOR AUTISM





EACH LEARNING AREA HAS THE FOLLOWING CHARACTERISTICS

 MAIN LEARNING AREA (INTERMEDIATE) A learning space with a store to enable the amount of furniture and equipment to be controlled by teachers. (Students can use objects aggressively)

 WITHDRAWAL ROOM (QUIET LEARNING) A withdrawal room which could be for quieter learning by 1 or 2 students or alternatively a calming room for an agilated or anxious student.

 OUTDOOR WITHDRAWAL ZONE
 The learning area has access direct to an outside space for self calming

 UNDERCOVER AREA (ROOFLINE) Under cover but with north sun access and access to the subschool space.

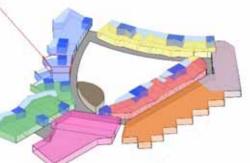
5. OUTDOOR PLAY AREA

The outdoor spaces were deliberately free from trees and landscaping due to student's propensity to eatidestroy them. However bike riding, climiting and sand play are highly enjoyed by students. The play directly connects to each learning area as well as contral toilets and passages.

6. CIRCULATION

Little distraction from the access passage. However the design of all learning areas had alternative means of escape for staff and students from all rooms.

7. INDEPENDENT ACCESS AND PLAN Access to tollets for students/staff from building independent of learning areas







DETAIL FLOOR PLAN OF TYPICAL LEARNING SPACE 1 100

EACH LEARNING AREA HAS THE POLLOWING CHARACTERIETICS

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E SENIOR SCHOOL

MODUE ROHOOL

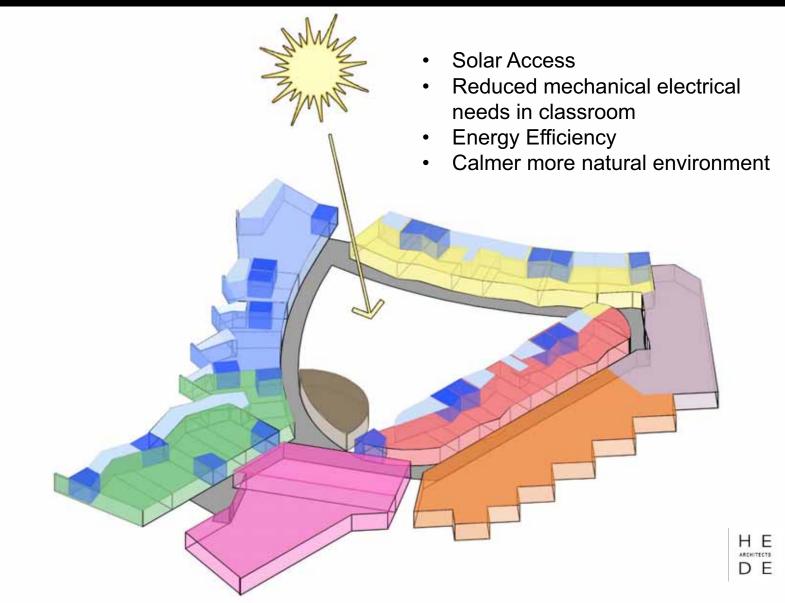
SCHOOL

EXTERNAL WITHERAMAL ZONE



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Design Principles

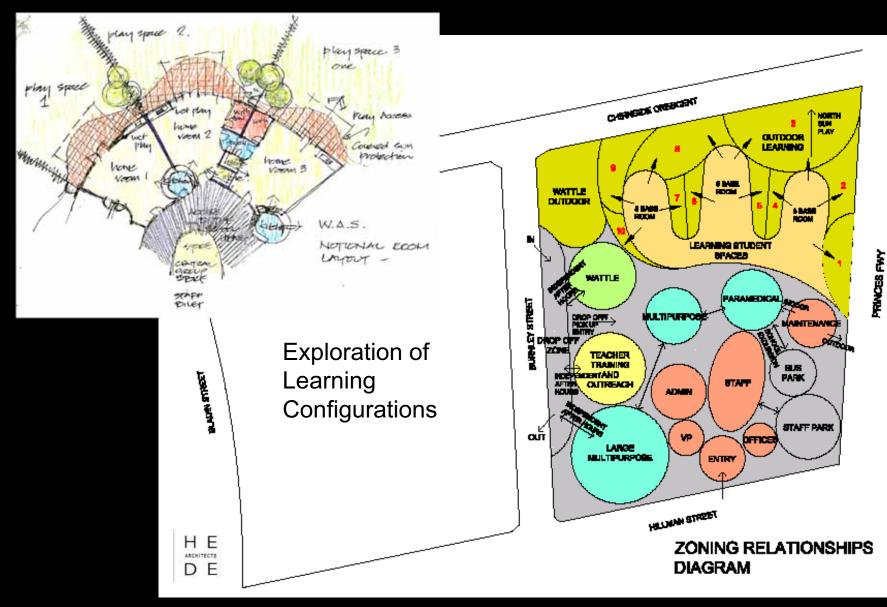
- Break up into sub schools
- Natural light
- Separation
- Calming indoor / Outdoor
- Calm colour
- Progression through support life skills
- Safety for teachers with exit routes, supported therapists close by

AUSTRALIA WESTERN AUTISTIC SCHOOL 2011 AUSTRALASIAN CEFPI – NEW CONSTRUCTION - WINNER



H E Architects D E

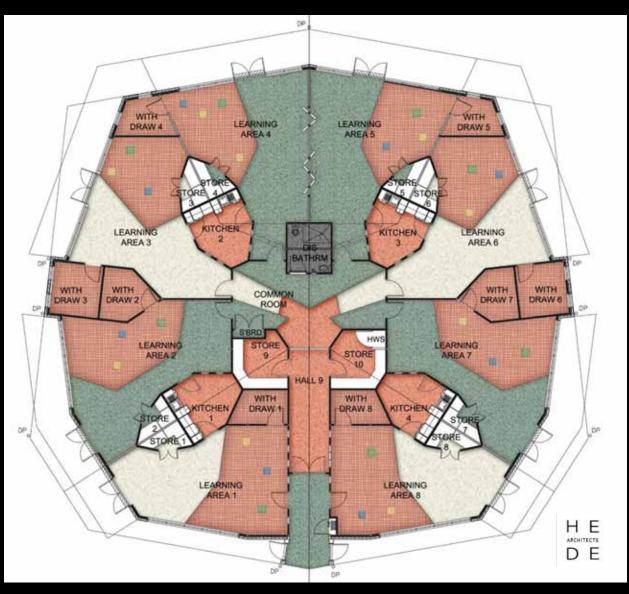
AUSTRALIA WESTERN AUTISTIC SCHOOL



AUSTRALIA WESTERN AUTISTIC SCHOOL



AUSTRALIA WESTERN AUTISTIC SCHOOL



8+ Pod Plan

AUSTRALIA WESTERN AUTISTIC SCHOOL



Central Pod Space

Learning Space within Pod

AUSTRALIA WESTERN AUTISTIC SCHOOL 2011 AUSTRALASIAN CEFPI – BEST NEW SCHOOL - WINNER



AUSTRALIA WESTERN AUTISTIC SCHOOL



AUSTRALIA WESTERN AUTISTIC SCHOOL







- Rounded spaces for safety
- Faces in façade
- Bicycle play highly used by autistic students



MODEL FOR REUSE / CHANGE TO EXISTING



Recycled school





Recycled classrooms



Parents' Support Spaces / Information



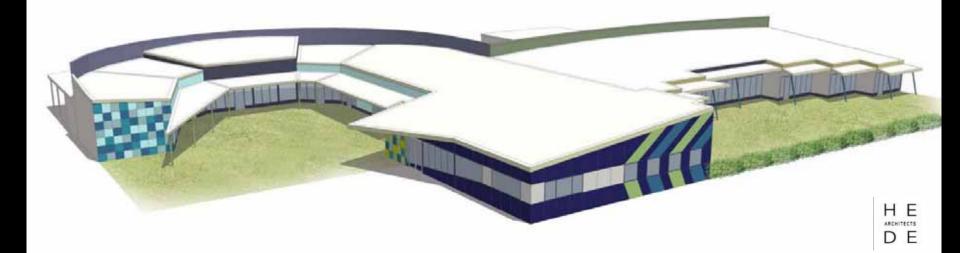
Typical learning area, indoor / outdoor



AUSTRALIA MERRIANG SPECIALIST SCHOOL COMMUNITY MIXED USE



- Sub school breakup
- Respite Care after hours
- Indoor / outdoor play & learning / life Skills training
- Community use on weekends



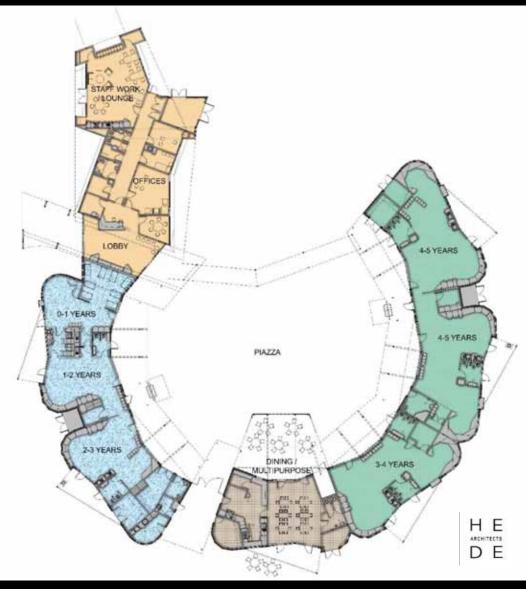


Junior sub school Indoor / outdoor calming and learning

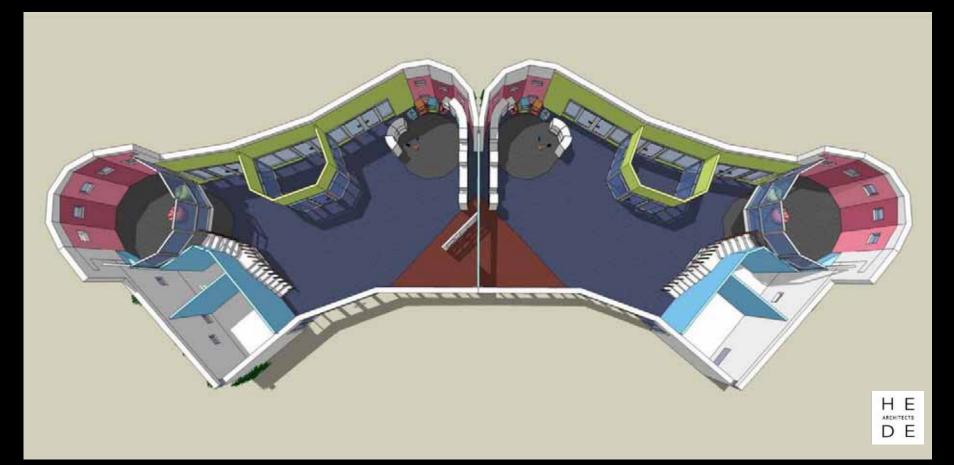
Senior sub school



Typical learning area - kitchenette, indoor outdoor, time out



Reggio Emilia – Disabled friendly design







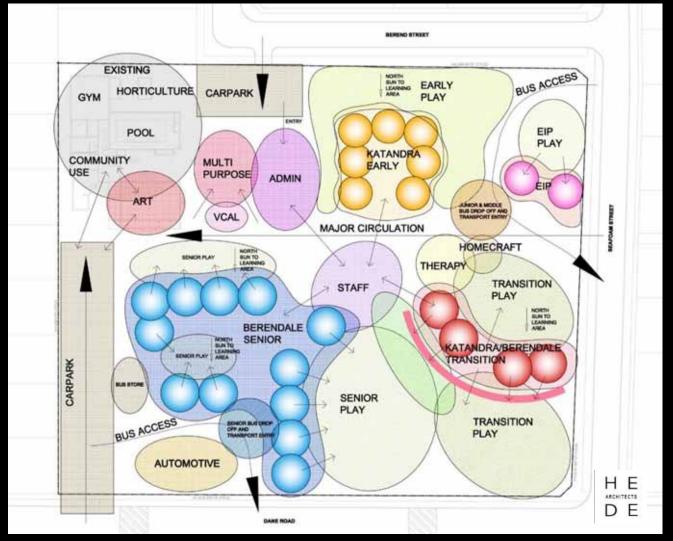
Nooks / Reading Corner / Free Play / Learning Child Initiated



Free arrangements of space offering disabled children spaces that suit them

AUSTRALIA BERENDALE KATANDRA SPECIAL SCHOOL

New school added to life skills training centre



Sub school layout / indoor outdoor / support central / life & employment skills

AUSTRALIA BERENDALE KATANDRA SPECIAL SCHOOL

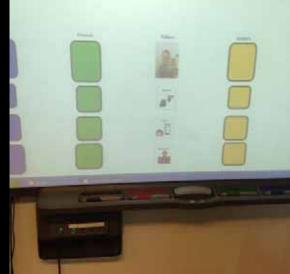


SCANDINAVIA SPECIAL SCHOOL, DENMARK









- 1. Early years preparation
- 2. Easing students into school
- 3. Parents drop in

SCANDINAVIA HOMEHOF SECONDARY SCHOOL

Mainstream School - Disabled Students Base









School offering base to disabled students in spare school spaces

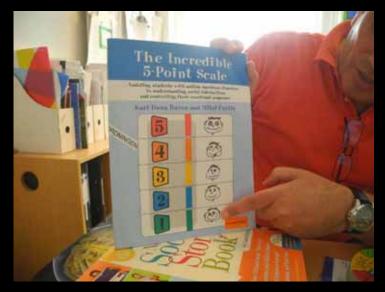
SCANDINAVIA HOMEHOF SECONDARY SCHOOL

Denmark

Mainstream School

- Student Modulated Inclusion \bullet
- Mood & brain education for disabled student ۲
- A range of spaces controlled by the students \circ







SCANDINAVIA SPECIALISTERN, DENMARK

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- Adults with Autism
- Special Unique Skills offered
- Training "consultants" Order
- Hoping for 5000 placements

- Lego success story
- Ultimate success is an employed place
- Operating 13 countries

SCANDINAVIA SPECIALISTERN, DENMARK



Student winning entries

SCANDINAVIA HELLEROD SCHOOL, DENMARK



A new type of school

Variable student Controlled spaces

SCANDINAVIA HELLEROD SCHOOL, DENMARK



The learning stair

Optional Breakout

SVENSKA SKOLAN SCHOOL FOR BLIND, FINLAND



A school and residence for the blind in an apartment building

SVENSKA SKOLAN SCHOOL FOR BLIND, FINLAND



Striped floors

Sound & colour control

SVENSKA SKOLAN SCHOOL FOR BLIND, FINLAND

Parents / students live in – convertible building









SAUNALAHDEN KOULU, ESPOO FINLAND



A new type of school

SAUNALAHDEN KOULU, ESPOO FINLAND



SAUNALAHDEN KOULU, **ESPOO FINLAND**







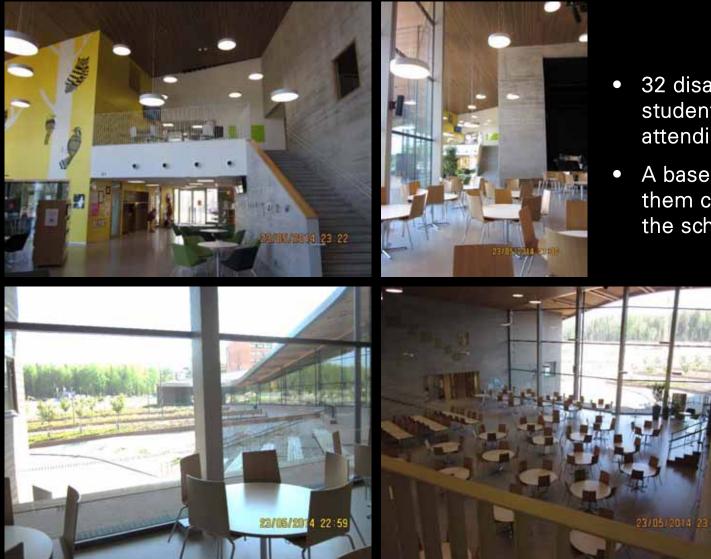
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TOIMINTA TULIPALOSSA

- 1. Pelasta valmonsissä vairassa olevat Halyta potassustanos paloitmoituspainikiueista tai solta 112
- 3. Sammuta latemmatia alkonommatemetia
- 4. Rajoita paka subarralla ovet ja ikkurat, pyshyta imanvahta
- 5. Opasta polokurna peikalla

SCANDINAVIA

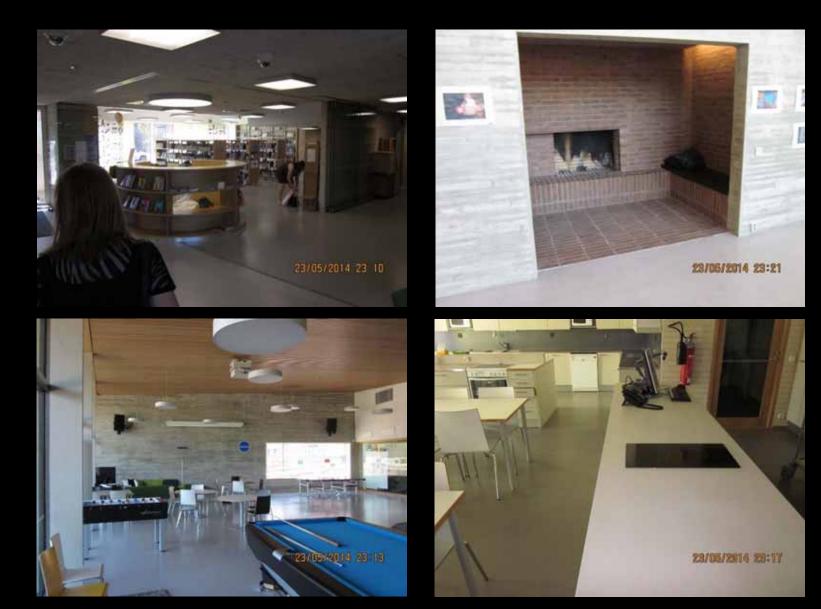
SAUNALAHDEN KOULU, **ESPOO FINLAND**



- 32 disabled students currently attending
- A base room for them centred in the school

SCANDINAVIA

SAUNALAHDEN KOULU, ESPOO FINLAND



SCANDINAVIA

SAUNALAHDEN KOULU, ESPOO FINLAND



Typical classroom

Corridor relax / learning

Longer and flexible space

USA GATEWAY SCHOOL, NEW YORK CITY



Entry / stair transition





Reading nook

Central hub to space between learning sub groups

Private special school concentrating on language and learning

Stair from below

USA

GATEWAY SCHOOL, NEW YORK CITY



Red nook





Reading nook

Capacity for students to withdraw / calm

Indoor gym

USA GATEWAY SCHOOL, NEW YORK CITY



Grandstand space – perimeter meshing



Classroom – blackboard rubber feet

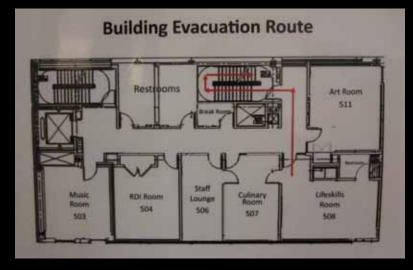


Individual learning in classroom Group learning in grandstand



Indoor gym





A private fee paying school that offers full curriculum and interacts with mainstream schools

Social development a priority



Classroom

Display nook



Time out



Therapy



Laboratory

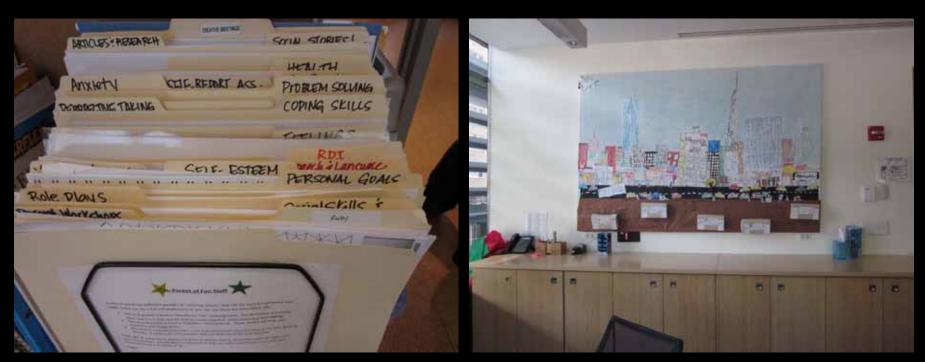


Outdoor recreation



Library Parent Room





"Packet of fun stuff"

Support for social learning relationship development

Skyscraper Art

Students reflect surroundings

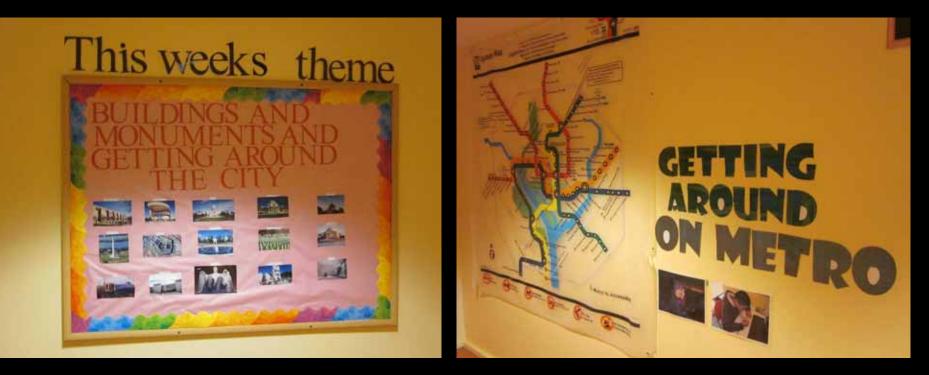


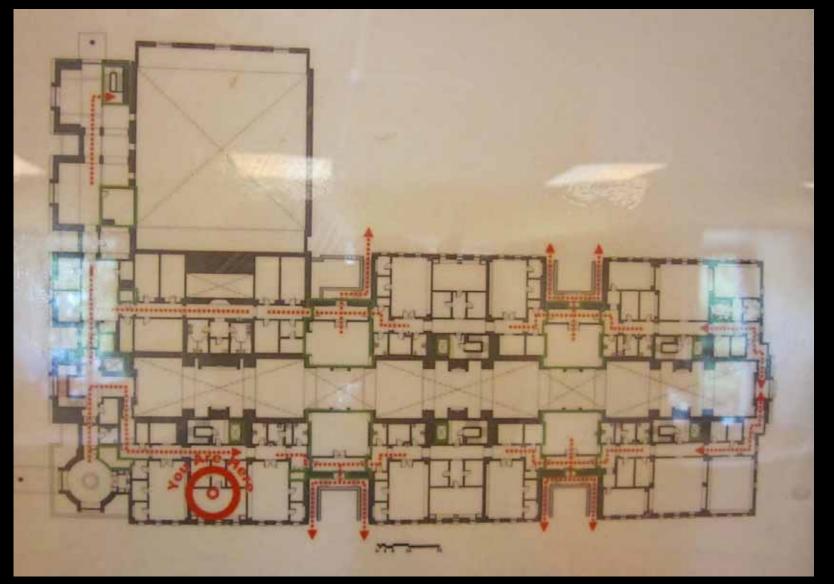
Streetscape imagery

Indoor / Outdoor / Food growing

A private not for profit school for highly disadvantaged disabled students

Teaching via Life Skills 'Themes'







Halls of wisdom imagery

Typical learning areas

QUESTIONS IS ITTIME TO LOOK BEYOND DISABILITY AS A QUESTION OF ACCESS

The Issues

- Emotional access
- Anxiety reduction
- Ability to play a part in a group

Specialist versus inclusion

Is this really applicable only to disabled students ?

Relationship Education

Disabled Student Control of Inclusion with Support

Parents of Disabled – their support and education

See the Positive Skills of the Disabled

SPACE PLANNING FOR INCLUSION FOR MAINSTREAM SCHOOL RECOMMENDED SUB SCHOOL STRUCTURE

