

INFRASTRUCTURE

Railway Network

UP

- Londsburg Subdivision
- El. Paso Subdivision.
- Valentine Subdivision
- Fort Bligs Ind Lead

BNISE

Carrizozo Subdivision

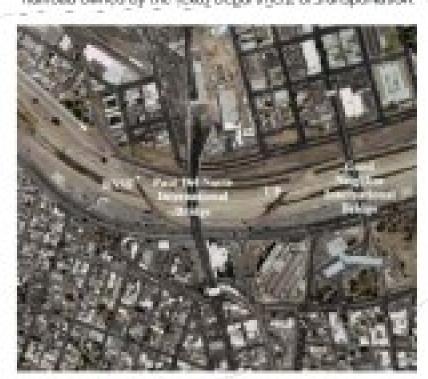
Station

- Santa Feli.
- International
- Mapac
- Dalias Street:
- Alfolfo.
- Fort Bliss

Shortline Railroads

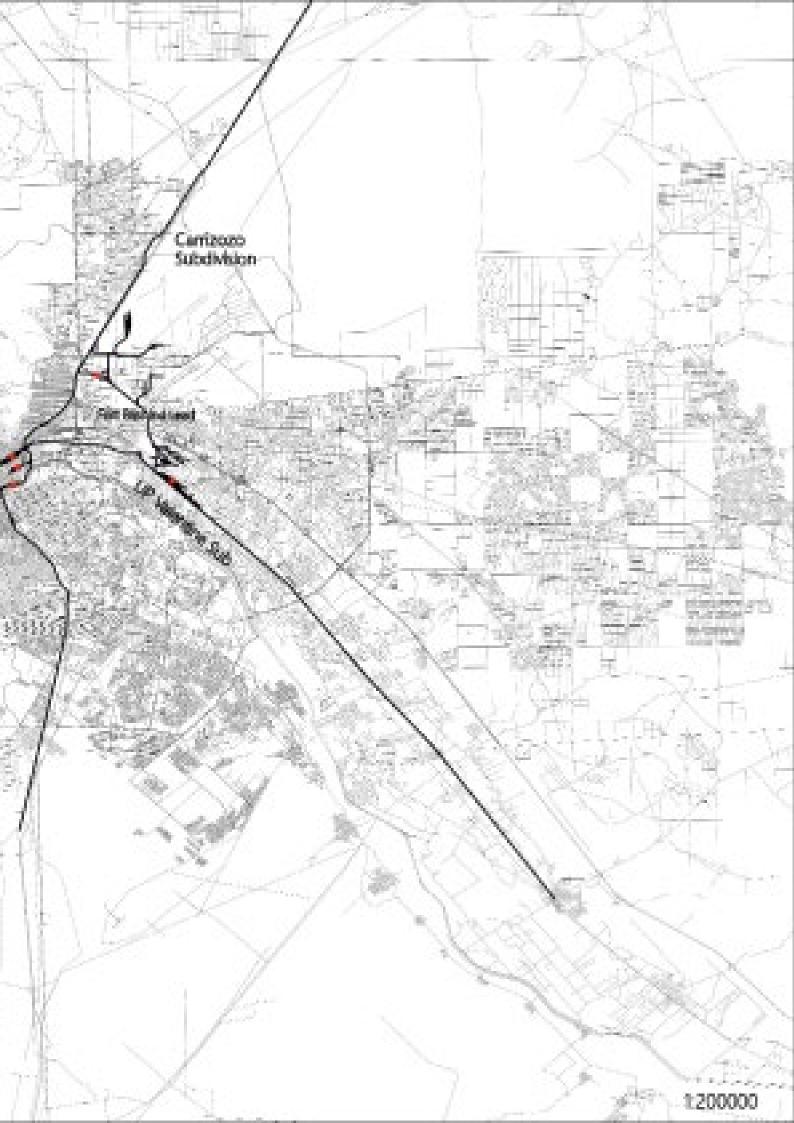
South Orient Railroad

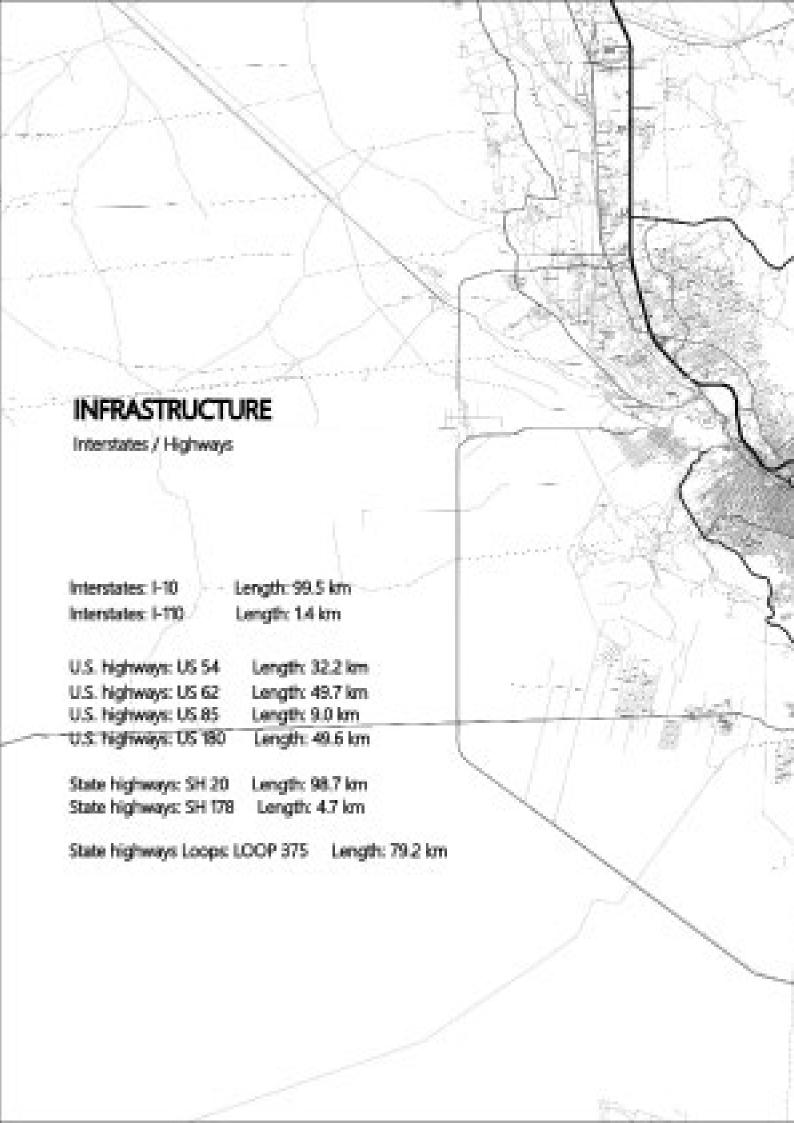
More than 535 miles of mainline railroad tracks, 8 miles of rail bridge structures, 6 rail yards, and 3 rail border crossing make the rail network within the EL Paso region. The railroads serving the region coinsist of the UE BNSE and Texas Pacifico Transportation, which operate the South Orient. Railroad owned by the Texas Department of Transportation.

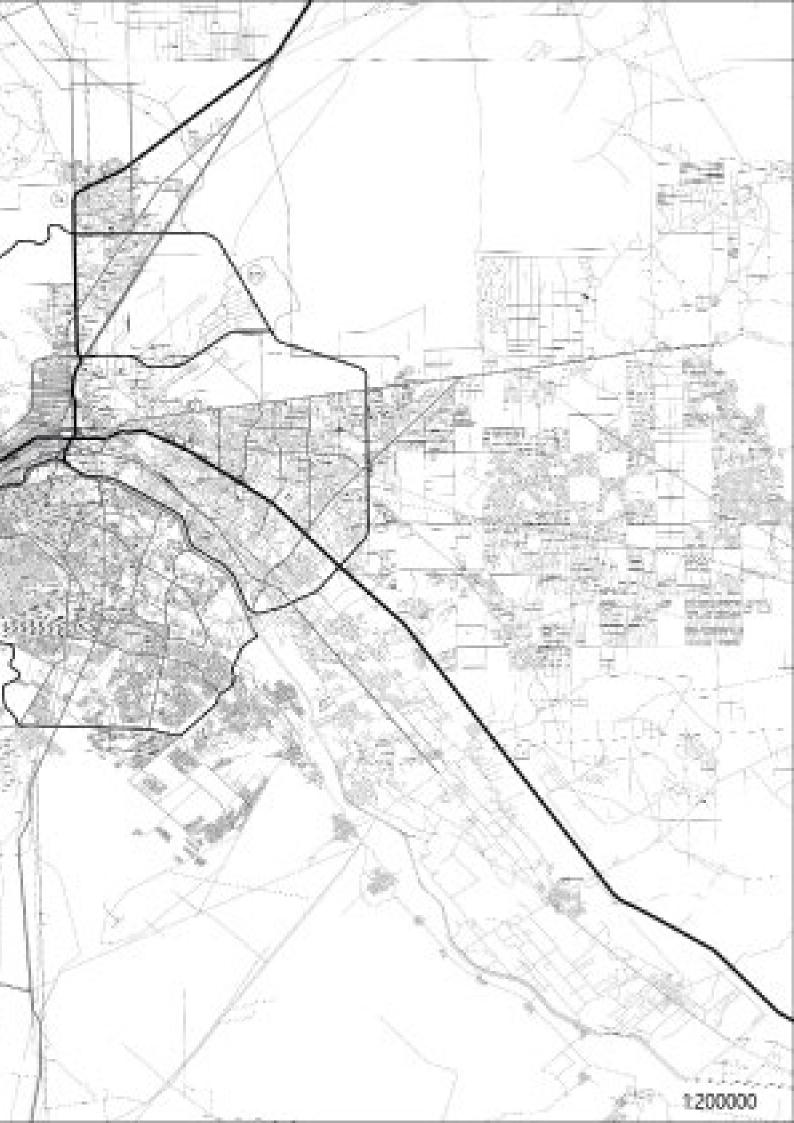


El Paso Subdivision

Lordsburg Subdivision







Ecosystem-Energy

Total Not Surveyor Copyright 7.5 MM

Total Net Summer Capacity: 28 MW.

Total Net Suremer Capability: 43 Well

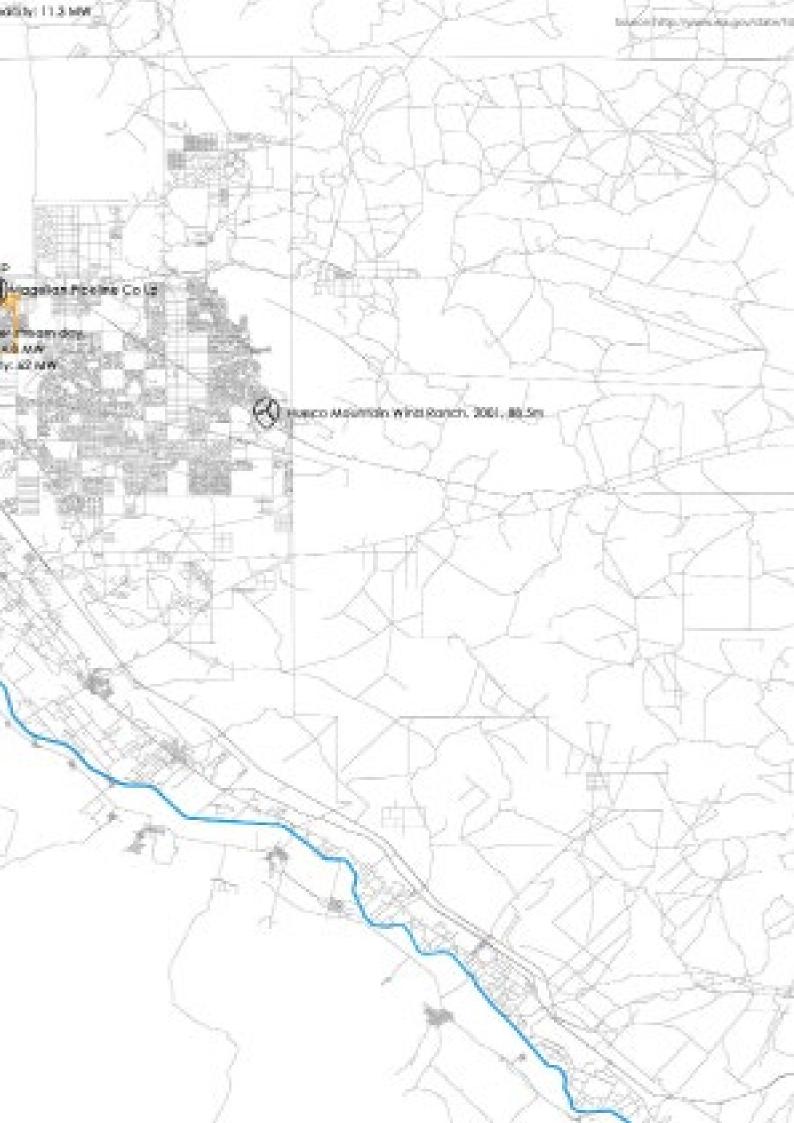
Nutter Energy



Soft Longy Parties COCA LE apachy: 131 Thomas a barrier Carat Net Springer Copachy Togal And Springer Casa

Energy

- Natural gas power plant
- Petroleum product terminal
- Petroleum refinery.
- Wind power plant
- Solar power plant
- Petroleum power plant



Ecosystem -River Basin Texas River Basin



Indicator of water withdrawal incorporating multiple factors (volume, resource stress and water quality) to account for the impact of fruman activities on water resources.



The daily amount of water that is withdrawn by suppliers (domestic, commercial, some industrial, and public water use) that furnish water to at least 25 people.



The daily amount of water withdrawn for purposes of fabrication, processing, washing, and ocoling Johannian products, food, paper products, petroleum refining, etc.



The delity amount of water that is withdrawn for the purpose of generating electricity with steam-driven turbine senerators.



The daily amount of water that is withdrawn for the purposes of livestook, squaculture, irrigation uses.



The ratio of depreciation on the total value of non-oursent assets (non-oursent assets are the long-term assets, not easily convertible to cash).

Ecosystem Green Space



Target Group

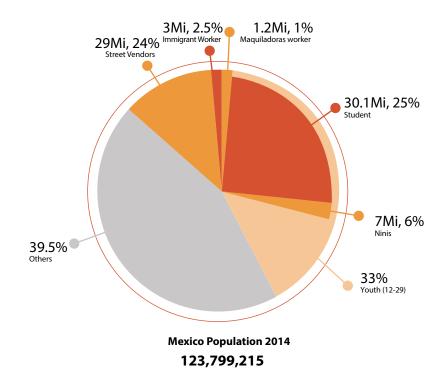












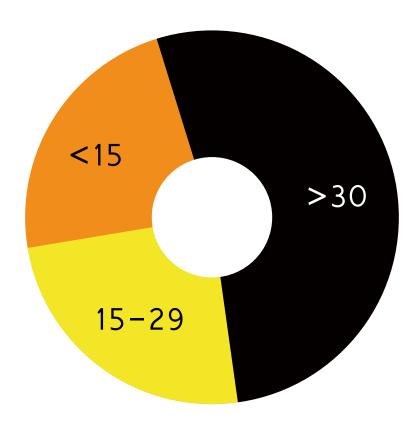
Mexico and US take spotlight off drugs and immigration and focus on education



MEXICO has, for decades, failed to put together an adequate fiscal or industrial policy to encourage development in technology and allow Mexican

enterprises to become globally competitive.

But a shared initiative with the US aims to upgrade its development of science and technology programmes and see the nation reposition its economy in the world market. Juárez is a young city: about half of its inhabitants are under the age of 30, and one quarter are between fifteen and 29.



NYC: Mexican youth have highest dropout rate



by Insideschools staff



font size O Print E-mail

Monday, 29 July 2013 17:33



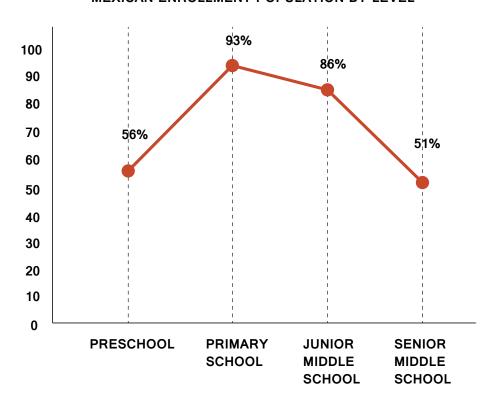
Susanna, a 19-year-old undocumented Mexican student who nearly dropped out of high school Photo by Fi2W reporter Mica Scofield

Mexicans are both the fastest growing and youngest major ethnic group in New York City, with nearly half under the age of 25. Yet only 37 percent of the city's Mexican population, ages 16-24, are enrolled in school, according to a new report by Feet in Two Worlds, at the New School's Center for New York City Affairs. Foreign-born Mexican-Americans have a particularly high dropout rate, as do young men.

A new podcast explores the high dropout rate among Mexican youth and reports on efforts by schools and community groups to reverse the trend. It finds that poverty and a lack of English language proficiency are major contributing factors. In addition, some undocumented students say they are given

HIGH DROP OUT RATE IN MEXICO

MEXICAN ENROLLMENT POPULATION BY LEVEL



Out of Every 100 Students Entering Primary

- 68 complete basic education
- 35 graduate from Upper Secondary

Social Issue

Unemployed Youth Are Fighters, Victims in Mexico Drug War

Written by Geoffrey Ramsey Friday, 31 August 2012

Mexico





Reports that the number of unemployed youths in Mexico stands at 8 million and is set to rise are bad news for security, as this group makes up the majority of combatants and victims in the country's drug war.

Excelsior published a report saying

that there are currently 8 million Mexicans aged 18 to 30 who are not in work or education -- known as "ni-nis" (so labeled because they neither study or work, "ni estudian ni trabajan"). This is equivalent to more than 20 percent of the age group, and is on the rise, according to the newspaper.



Youth Gang In Juarez

Youth hang out in the Diaz Ordaz colonia, one of the poorest neighborhoods of Ciudad Juarez. The group hangs out out a lookout above the neighborhood to see if outside gangs are coming to attack or rob them, after they had recieved death threats and a series of violent exchanges between neighborhoods left them nervou





At right, "El Mongo" and his cousin smoke marijuana outside their home in Ciudad Juarez.



Manny hangs out with his brothers outside his house. Recently their friend Chino was murdered at the inaguration of a new soccer field that was built between three neighborhoods that have a history of violence. The boy in the center of the photograph saw the murder.

Youth Gang In Juarez

in Juarez, 1 out of 3 kids doesn't go to middle school, and attendance in high school is half the national average. A recent study found that 120,000 Juarez youngsters aged 13 to 24 — or 45 percent of the total — are not enrolled in any education or do not have any formal employment.

Parents here often neglect their children, with many broken homes and demanding jobs in assembly plants or in the city's huge sex industry.

Government has also grossly disregarded the slums, failing to provide adequate schools or job opportunities. They often lacked positive supervision and had little hope for the future.

Interview Of Youth Gang In Juarez

"You just do it, grab a pistol and go kill somebody, or whatever. It doesn't matter if you die or not."

"If you don't have a mother or a father, no one to believe in you, then it's easy to fall into this, to be a delinquent."

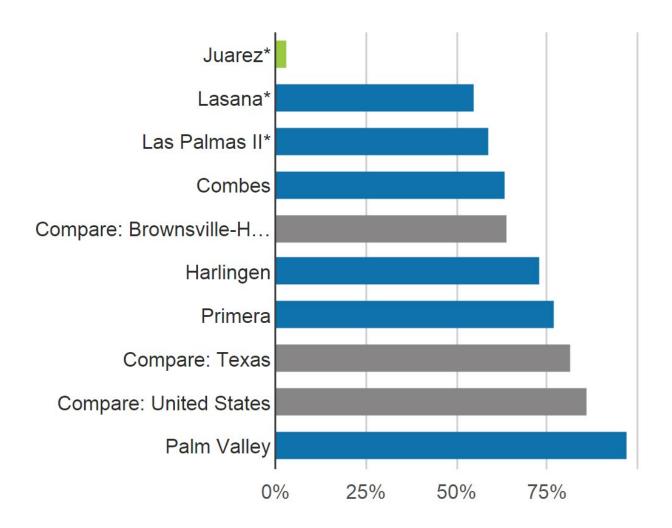
"You go with the guys who have the most power, money, connections and influence"

"The gang becomes like your home, your family. You feel part of something," he said. "And you know the gang will back you up if you are in trouble."

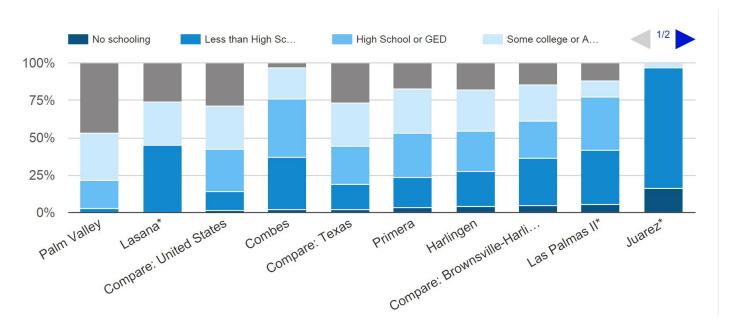
ble."
"They don't feel anything that they have murdered people. They just don't understand the pain that they have caused others."

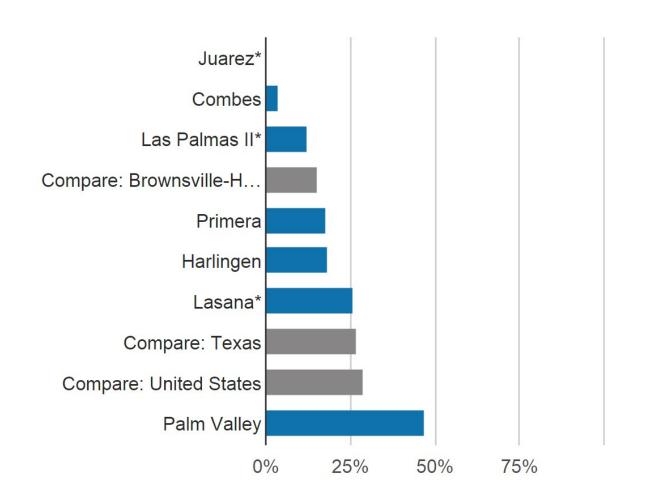
"They only see the day to day. They know they could die and they say so. But they don't care. Because they have lived this way all their lives."

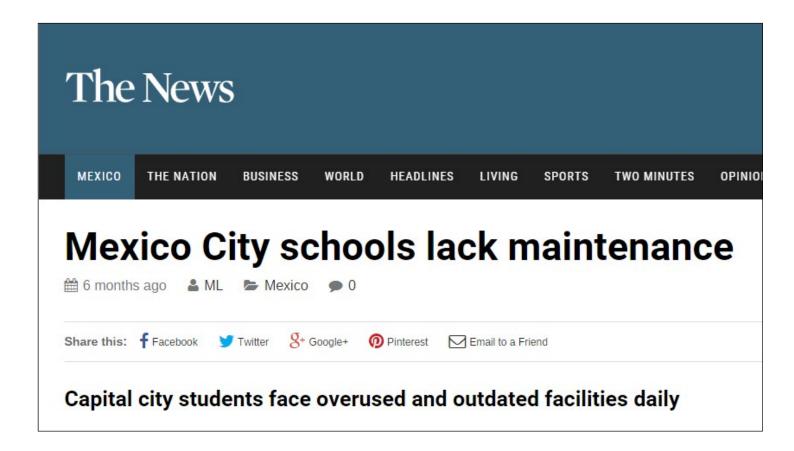
Why Youth Join Gangs
•There is no urban space in society that is adapted to their needs, where they can exercise the rights that their families, government, and communities do not offer them. Arising out of extreme poverty, exclusion, and a lack of opportunities, gangs try to gain their rights and meet their needs by organizing themselves without supervision and developing their own rules, and by securing for themselves a territory and a set of symbols that gives meaning to their membership in the group.
•Youth join gangs for protection, enjoyment, respect, money, or because a friend is in a gang.
•Youth are at higher risk of joining a gang if they engage in delinquent behaviors, are aggressive or violent, experience multiple caretaker transitions, have many problems at school, associate with other gang-involved youth, or live in communities where they feel unsafe and where many youth are in trouble.

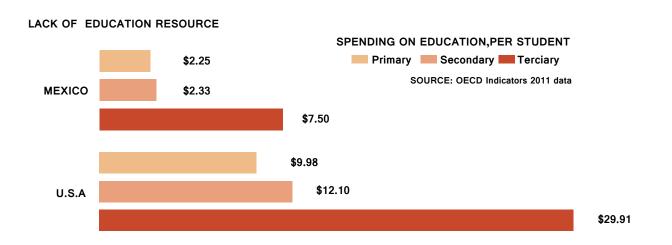


Juarez, TX Education Attainment by Level Comparison (Age 25+),2014









Mexico faces some primary problems

A powerful union, weak teaching and outmoded curricula are hampering progress. Matt Krupnick reports from Oaxaca

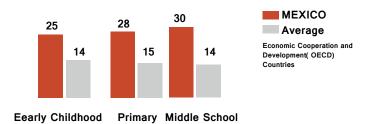
March 28, 2013



NUMBER OF HOURS OF TEACHING TIME

800 790 1047 709 Primary Middle School

AVERAGE NUMBER OF STUDENTS FOR EACH TEACHER



HIGH DROPOUT RATES IN LEVELS BEYOND PRIMARY POOR EDUCATION QUALITY INSUFFICIENT COVERAGE IN LOWER SECONDARY INSUFFICIENT SCHOOL BUILDINGS AND CLASSROOMS School
Building

Evening

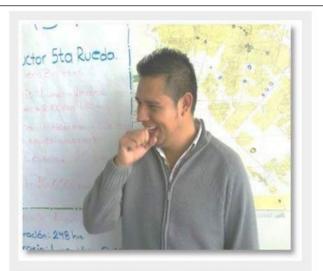
Education background

Training helps job seekers achieve dreams

"My dream is to pursue a career in physical therapy. Several years ago, I met the son of a cousin who was born paralyzed, and that inspired me to want to help others."

When financially hard times fell on his family of 10, Cristian Alonso Chávez, from Mexico's Francisco I. Madero neighborhood in Ciudad Juarez, had to leave school to look for work, discontinuing his education after middle school.

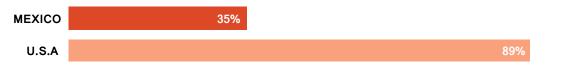
Although Chávez, 22, had almost three years of experience as an

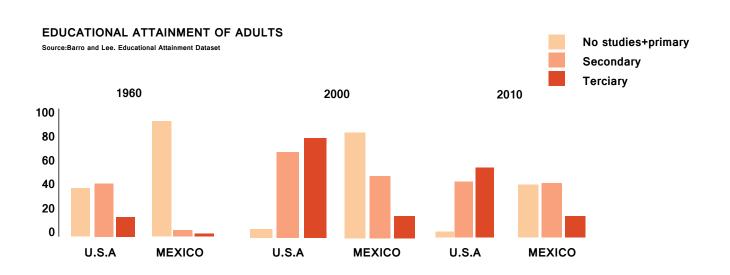


With help from USAID training, Cristian Alonso Chávez will now be able to pursue his dream. USAID Youth: Work Mexico program

ADULTS WITH A HIGH SCHOOL EDUCATION

Source: OECD indicatiors 2009

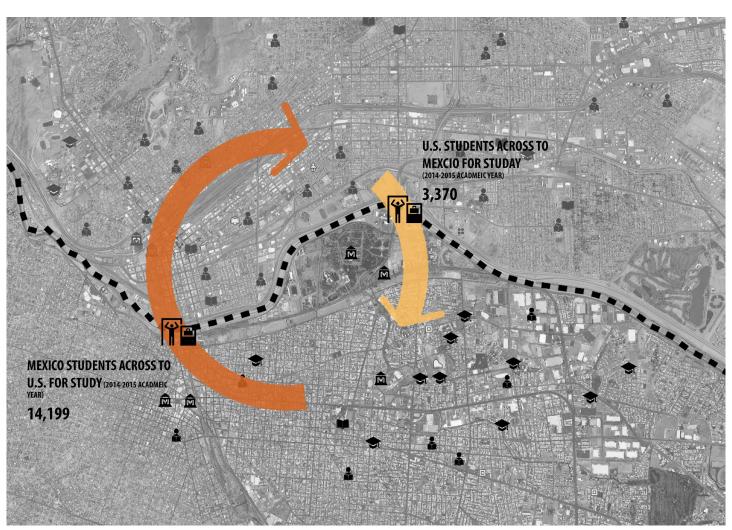




Commuter Student







Existing Education Program

Moreover, no programs have been developed specifically to prevent gangs from emerging. In the meantime, to prevent youth from joining gangs, communities must employ multiple strategies and services, including:

- Addressing elevated risk factors for joining a gang.
- •Strengthening families.
- •Reducing youth's conflicts.
- •Improving community-level supervision of youth.
- •Increasing adult supervision of students in and after school.
- •Ensuring that punitive sanctions target delinquent gang behaviors, not gang apparel, signs, and symbols.
- •Providing tutoring for students who are performing poorly in school.

Existing Education Program



Juarez: Youth Symphony Orchestra Brings Hope to a Rebuilding City

- -"Music is now my passion. It helps me relieve and liberate myself from the bad reality of the city, of the violence", said Ruiseco, a clarinet player who has been with the orchestra for three years ago.
- -The Juárez youth orchestra keeps teenagers like Ruiseco, from being interested in drugs and criminal activity. "It also gives them self-confidence and courage to be somebody,"
- -"The orchestra gives a message that it is not necessary to live in Juárez without doing bad things," González said. "It demonstrates the good face of Juárez."



Todos Somos Juárez——2010

Todos Somos Juárez is an example of an overarching government and civil society partnership in Mexico that can bring together societal support for youth gang prevention programs.

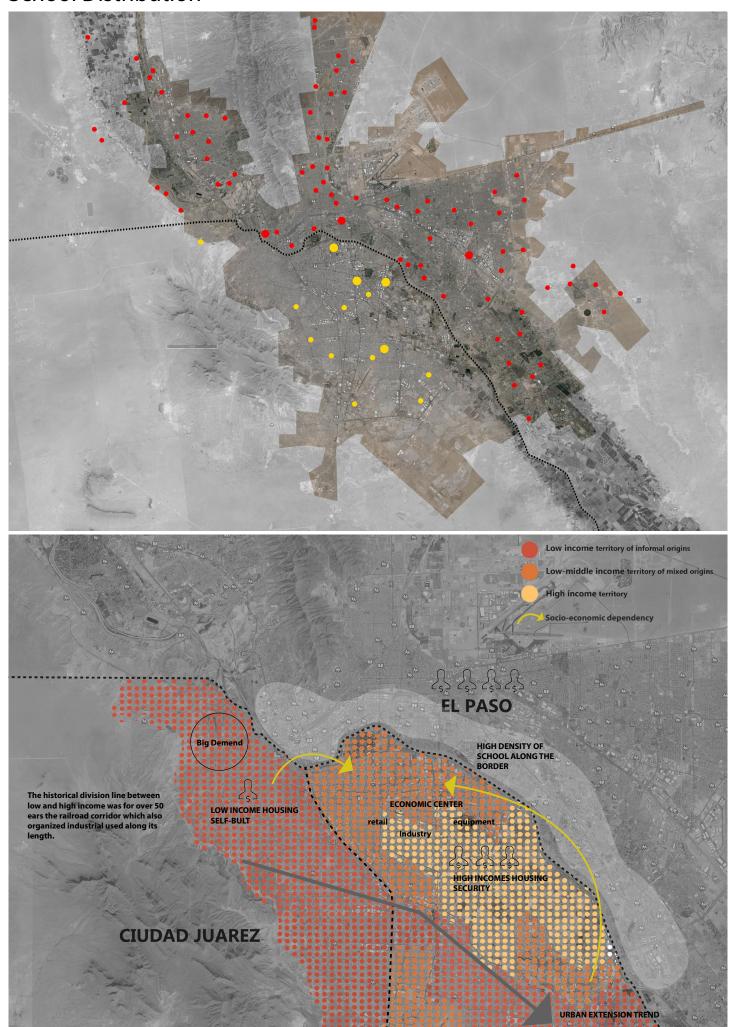
It included state and local government representatives and invited the public to participate in 15 open workshops on a range of topics. It also institutionalized "tables" where local citizens could participate, provide feedback, and identify issues of contention. Human rights activists have criticized these tables because the government

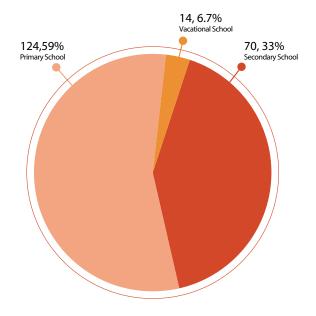
generally controls them, steering funding toward high-profile infrastructure projects, thus limiting the real impact citizen participa-

Work Mexico Program

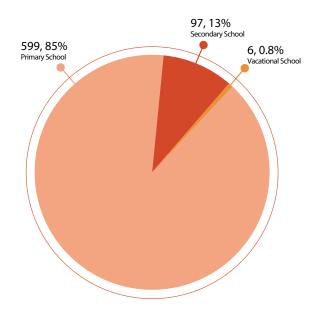
Together with USAID, in 2010 we launched a four-year program called Youth: Work Mexico to address challenges youth face in Ciudad Juarez and Tijuana, some of the country's most violent and crime-ridden communities. Working with local civil society groups, we've helped create safe spaces for disadvantaged young people, strengthened and expanded after-school and summer programs, and prepared Mexican youth for viable futures through formal jobs and self-employment. By welcoming 7,500 young people into youth-friendly summer and after-school

School Distribution

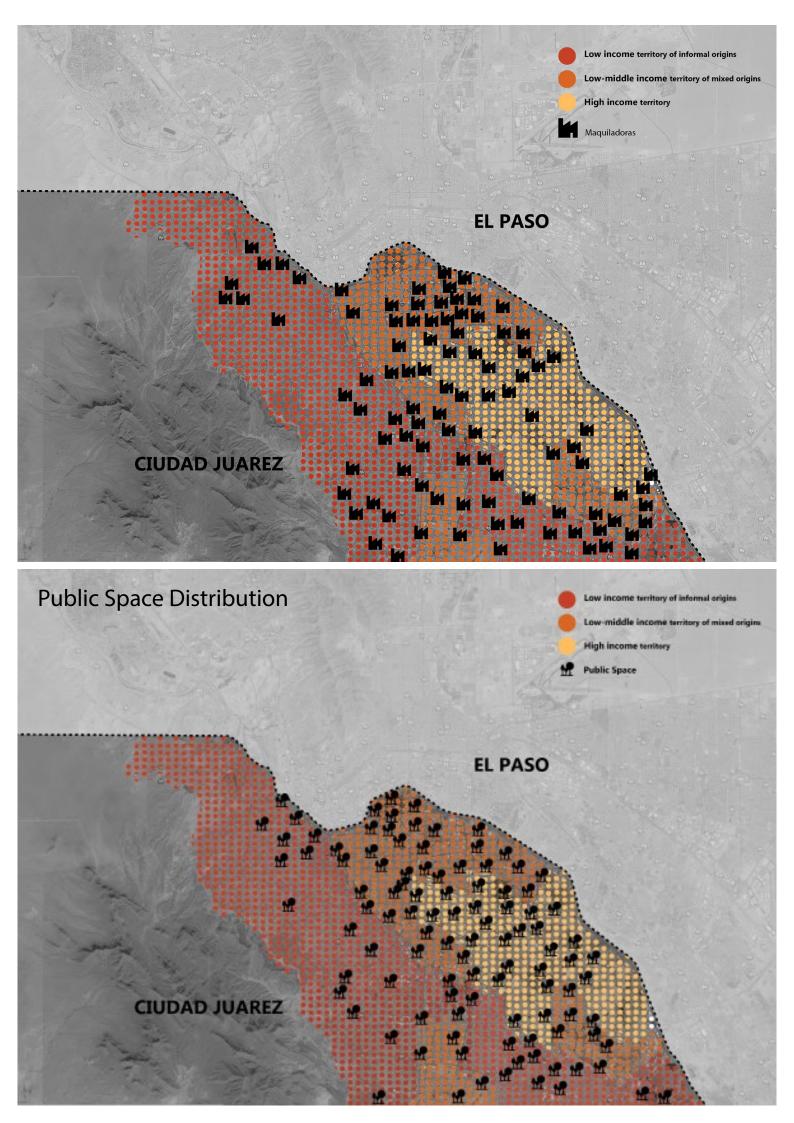




 $\begin{array}{c} \text{Total Primary School and Secondary School (Public)} \\ EL\ PASO \qquad 208 \end{array}$



 $\begin{array}{c} \text{Total Primary School and Secondary School (Public)} \\ \textbf{Juarez} & 702 \end{array}$



Trip Story





Trip Story

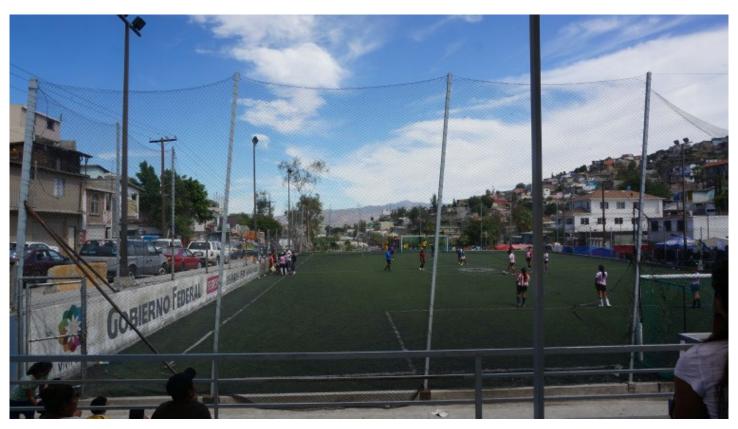




Trip Story

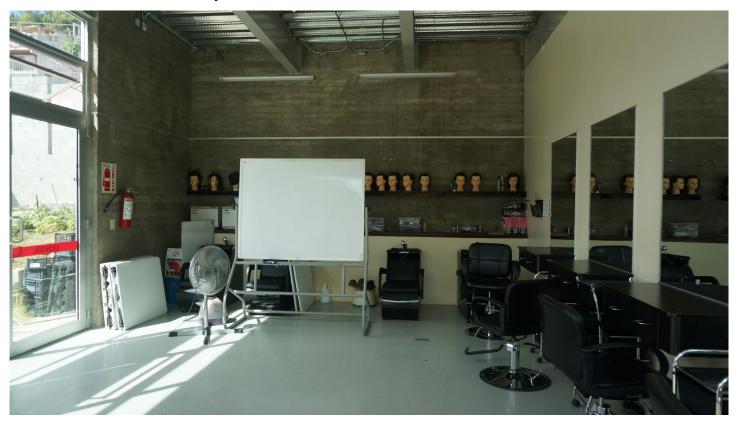
Public Infrastructure in Juarez & Tijuana





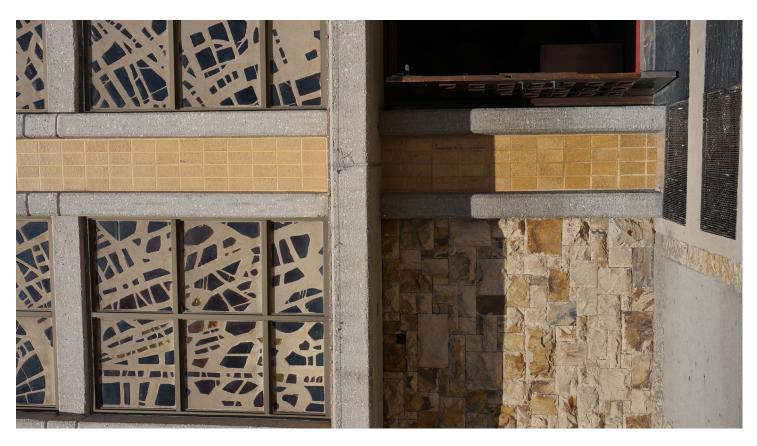
Trip Story

Adult Education in Tijuana and China





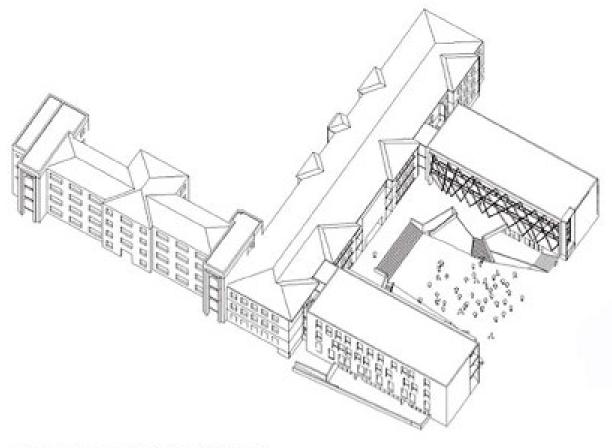
Modern Material & Traditional Material





Study Case

Las Nieves Technical Vocational School



Esquema Isométrico General

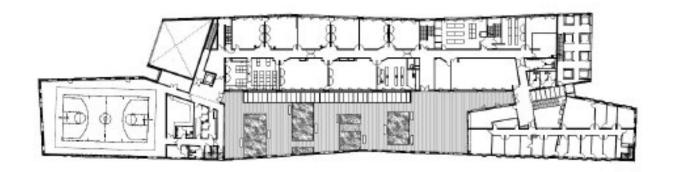


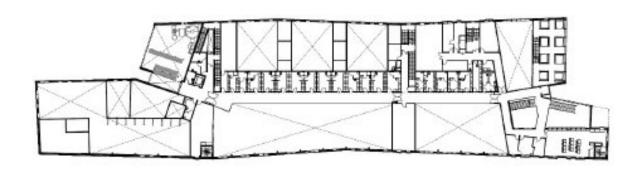
Study Case

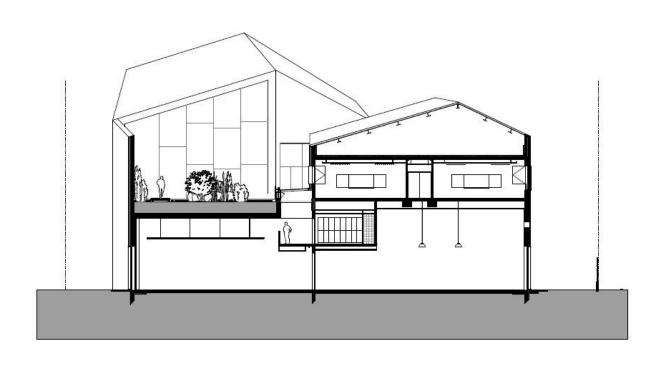




Study Case







Schools as Community Centers





School with Loal Boys and Girls Club which also serves neighborhoods who don't go to school in the same building.

offer facilities and programs outside regular school hours

JOINING WITH CITY

city and district Jointly Designed project

Sharing facilities with community

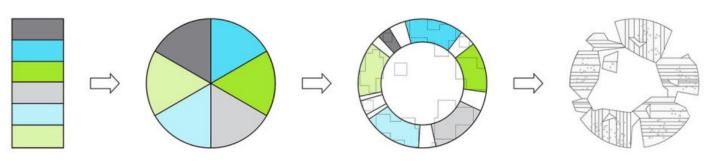
Track-out Schedule.

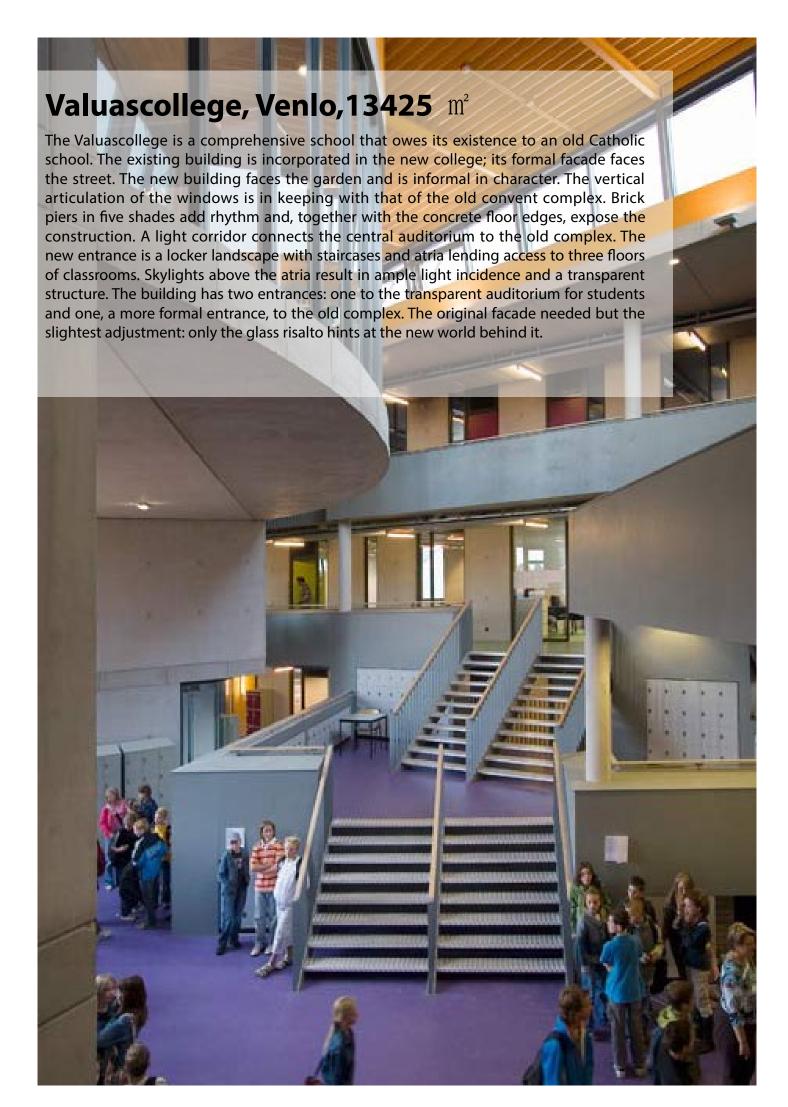
Smart School Meadow, Russia



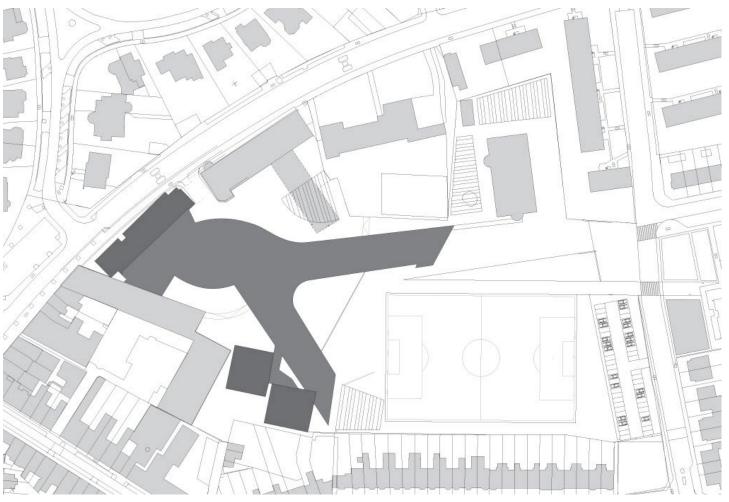
CEBRA's winning competition proposal for a school in Russia doubles as a local community center and draws the surrounding landscape into the complex, unified under a large ridged rooftop. The Danish architecture firm designed the project, dubbed Smart School Meadow, to create a new type of school which would incorporate landscape into the learning environment and provide multifunctional, semi-covered spaces for the local inhabitants. These spaces will include accommodations for disabled and















ter granula

intermediate level introduced

A Common Core Flexibility

sophisticate time management

Clustering

Connectivity

informal meeting place/melting pot

space divide up into hierarchy clusters

different arrangement

node in wider learning network

School Design in the Decades

Safety, Permanence and Endurance 1870s-1920s



Wiley Elemntary School, Raleigh, North Carolina, 1924

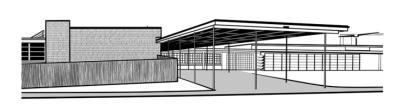
Feature Statel Neoclassical Facades and Standardised, multiple rows of desks

The Progressive Era 1930-1945



Open Air School, by Johannes Duiker, Amsterdam, 1930 Emphasised on the fresh air, daylight, outdoor learning, and easy flow through the structure that might aid student's physical health and mental wellbeing

Post-war boom 1945-1960



MeDonogh 39 Elementary School, New Orleans, 1952

The "Impulsive" Period 1960-1980



Winkleigh Primary School, Devon, 1970s

Emphasised on prefabriaction techniques, increasing reliance for large window and naural ventilation. Open Plan calssrooms, lacked windows and suffered from poor acoustics

Declines of 1980s



Portable Classrooms at Pierre Elliott Trudeau High School, Ontario, Canada

Emphasis more modest investment and traditional features, begun to note the state of disrepair affecting the nation's schools.

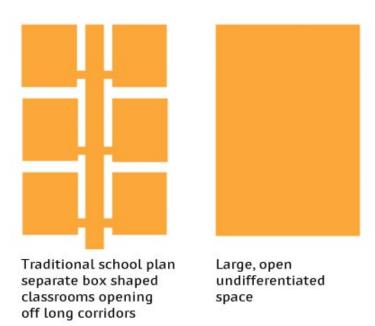
New Movement of 1990s and 2000s

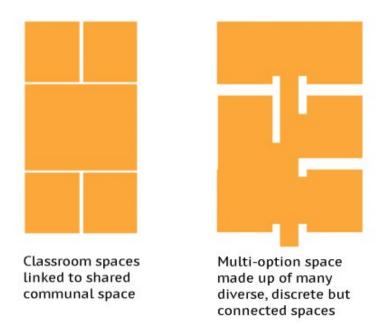


Sidwell Friends School, Middle School Building, Washington emphasis on enbironmentally friendly buildings that also improved indorr air quality

TYPOLOGY QUARTERLY

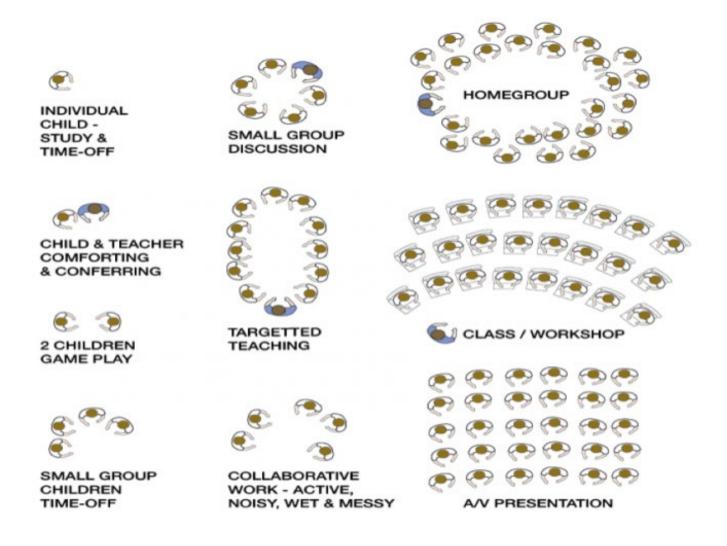
Classrooms have traditionally been built to respond to an approach to teaching that saw a teacher with a designated class teaching from the front of the room. A number of these individual spaces were served by a central corridor.





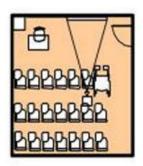
Class/Workshop Type

This works well for class/workshop type instruction but lacks adaptability for use for other learning settings, as shown below. It also results in large, dedicated circulations spaces which might otherwise be incorporated into more space for learning.

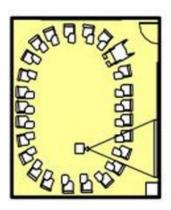


ROOM CAPACITY

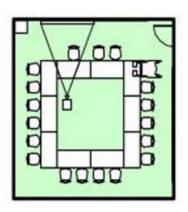
Lecture Room



Discussion Room



Seminar Room



20 Seats

32 Square Meters

1.6 m²/ Seats

25 Seats

46 Square Meters

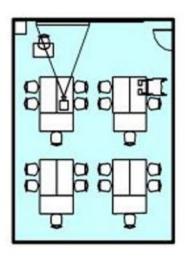
1.6 m²/Seats

20 Seats

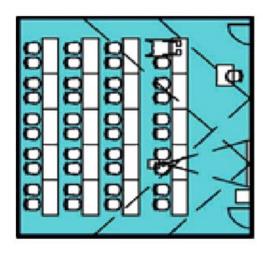
55 Square Meters

1.6 m²/Seats

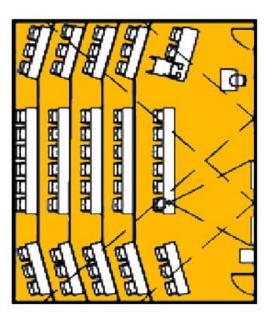
Group Work Room



Large Lecture Room



Large Lecture Room



20 Seats

70 Square Meters

1.6 m²/Seats

40 Seats

83 Square Meters

1.6 m² / Seats

60 Seats

111 Square Meters

1.6 m² / Seats

Interior Spatial Working Model







Differnce between USA and Mexico

Behavior

Mexico School

Student Stay, Teacher Change Classroom

Informal Classroom Life, student interaction and movement

Tests Make of the Majority of the Grade

No Posters on the Walls, Pretty Much Blank

Uniform Wearing

are Expected to Show Respect to Teacher

Schedual

Having Snack at about 11:00 a.m, heavy meal at home between 1.00pm-2.00pm More free compare to US

Morning and Evening School Sessions

System

5-3-4 education structure

Bilingual Education

French and Spanish Educational System General and Conceptual Knowlege Teaching

Facility

Food Shops, May Have Cafeteria Lack of Computer and Internet Students are Accustomed to Seeing and Producing art.

Class Size of 30 pupils

USA School

Teacher Stay, Student Change Calssroom

formal Classroom Life, More Rule -Driven
Classwork Make the Majority of the Grade

Cover Walls and Available Space with Posers

Uniform not nesscary Equality and Friendship

12:00 pm -7:30 pm Luch in Cafeteria

Tightly Schedueld Morning Sessions

6-3-3 education structure

English Speaking

British Educational System Concrete and Practical Education

School Offer Lunch, Cafeteria Culture Computer and Internet Widely Used

Class Size of 25 pupils

Conclusion

Classroom Number Difference

Dressroom Demands Circlulation Difference

One Room for Different Session Use

Function Difference

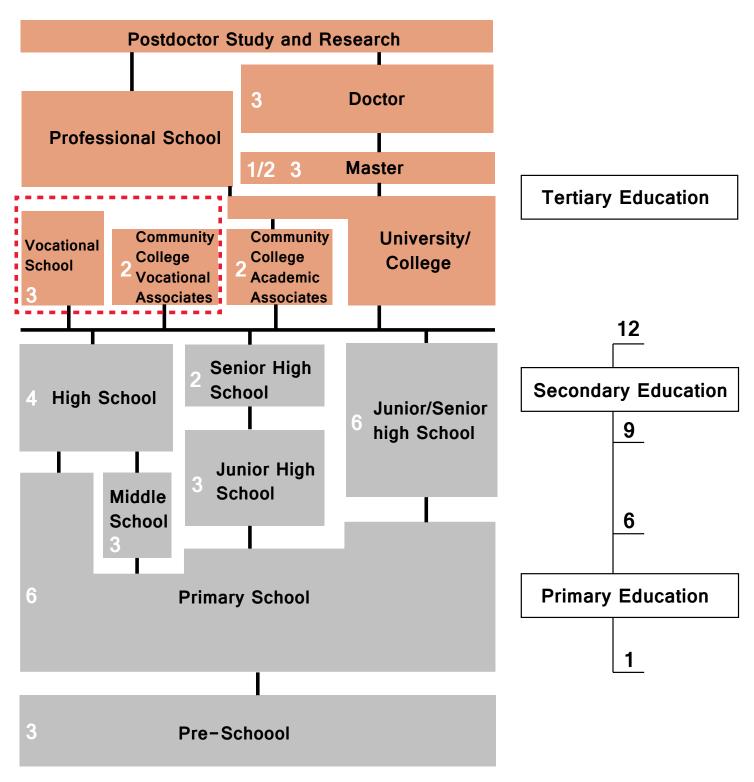
Classroom Size Difference

Common Activity



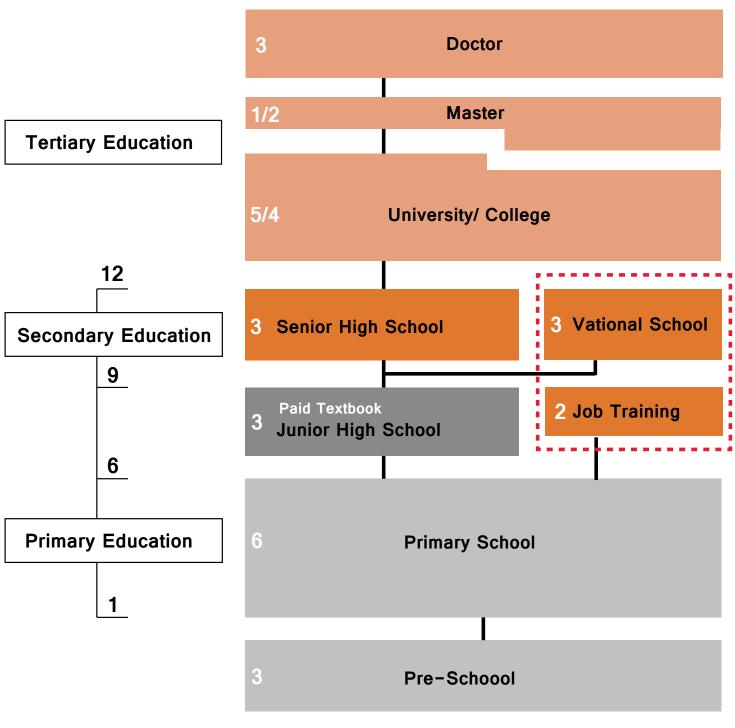


U.S.A Education System



Compulsory / Free Education

Mexico Education System



Compulsory / Free Education

student change classroom





teacher change classroom





computer widely used





lack computer





canteen culture: 12am





snack: 11am





no uniform required





uniform required





poster in corridor





poster forbidden



