

DESIGN FOR LEARNING

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CEFPI

April 2013

IT'S LIKE A DETECTIVE STORY

- ▶ We build schools, lots of them.
- ▶ They're aesthetically beautiful.
- ▶ The national drop out rate is 10.7%
- ▶ The national non-completion rate is

THE NUMBERS DON'T LIE...

Status dropout rates of 16- through 24-year-olds in the civilian, noninstitutionalized population, by race/ethnicity: Selected years, 1990-2010

Year	Total ¹	Race/ethnicity				
		White	Black	Hispanic	Asian/Pacific Islander	American Indian/Alaska Native
1990	12.1	9.0	13.2	32.4	4.9!	16.4!
1995	12.0	8.6	12.1	30.0	3.9	13.4!
1998	11.8	7.7	13.8	29.5	4.1	11.8
1999	11.2	7.3	12.6	28.6	4.3	‡
2000	10.9	6.9	13.1	27.8	3.8	14.0
2001	10.7	7.3	10.9	27.0	3.6	13.1
2002	10.5	6.5	11.3	25.7	3.9	16.8
2003	9.9	6.3	10.9	23.5	3.9	15.0
2004	10.3	6.8	11.8	23.8	3.6	17.0
2005	9.4	6.0	10.4	22.4	2.9	14.0
2006	9.3	5.8	10.7	22.1	3.6	14.7
2007	8.7	5.3	8.4	21.4	6.1	19.3
2008	8.0	4.8	9.9	18.3	4.4	14.6
2009	8.1	5.2	9.3	17.6	3.4	13.2
2010	7.4	5.1	8.0	15.1	4.2	12.4

! Interpret data with caution. The coefficient of variation (CV) for this estimate is 30 percent or greater.

‡ Reporting standards not met (too few cases).

¹ Total includes other race/ethnicity categories not separately shown.

NOTE: Race categories exclude persons of Hispanic ethnicity.

SOURCE: U.S. Department of Education, National Center for Education Statistics. (2012). *The Condition of Education 2012* (NCES 2012-045), Table A-33-1.

DROP OUT STATISTICS

- ▶ Wages below the poverty
 - ▶ Only 45.8% are employed
 - ▶ 19.2% have less than 9 years of school
 - ▶ 13.1% less than 10 years
 - ▶ 22.5% less than 11 years
 - ▶ 514,238 public school students dropped out of high school in the 2009-10 school year
 - ▶ Nevada had the lowest graduation rate, with 57.8 percent
 - ▶ African Americans with 66.1 percent
 - ▶ students with learning disabilities and limited fluency in English face long odds to finish high school, with graduation rates for those groups as low as 25 percent in some states
 - ▶ Minnesota graduation rate for African-American and Hispanic students hovered around 50 percent in 2011,
 - ▶ Florida, plan to grade high schools in large measure by student test scores – an incentive to push out failing students?
 - ▶ Nearly 80 percent of individuals in prison do not have a high school diploma (Office of Juvenile Justice and Delinquency Prevention, 1995)
 - ▶ <http://www.nea.org/home/13579.htm>
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- ▶ SOURCE: U.S. Department of Commerce, Census Bureau, Current Population Survey (CPS), October 1970 through October 2010. (This table was prepared July 2011.)
 - ▶ <http://www.nea.org/home/13579.htm>

THE REAL BRIDGE TO NOWHERE

- ▶ More than 50 percent of students entering two-year colleges and nearly 20 percent of those entering four-year universities are placed in remedial classes
- ▶ Nearly 4 in 10 remedial students in community colleges never complete their remedial courses.
- ▶ If they finish remediation more than 75% won't complete college level math/English
- ▶ Fewer than 1 in 10 will graduate within 3 years from a 2 year college and barely 33% will get a bachelors in 6 years

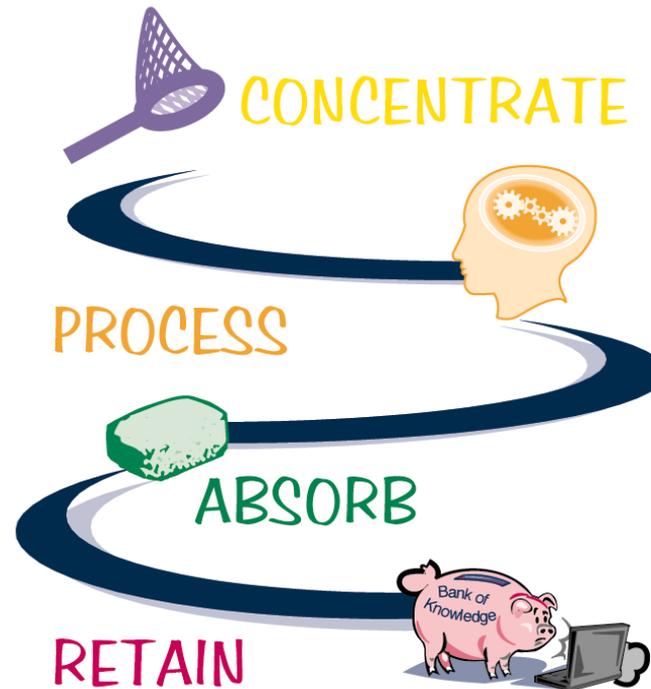
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WHY?

- ▶ Education that is mass produced
 - ▶ Do our buildings address classes or individuals?
- ▶ Education as an assembly line
 - ▶ Do our buildings help assembly line thinking?

SO WHAT DO LEARNING STYLES HAVE TO DO WITH BUILDING?

The way in which students



new or

ult

information

MEET MARY



A screenshot of a video player interface. The main video frame shows a woman, Mary Moss Wirt, standing on a stage with a blue backdrop. A large white play button is centered over the video. In the top right corner of the video frame, there is a navigation menu with three buttons: 'FULL', 'SHARE', and 'LIKE'. A banner at the top of the stage reads 'future@now' with a logo and the text 'Transition to Digital Classrooms'. A podium on the right side of the stage also features the 'future@now' logo. Below the video frame, a dark grey bar contains the name 'Mary Moss Wirt' in white. Below that, a light blue bar contains the text '3rd Grade Digital Learner' and 'Cary Elementary School (NC)' in dark grey, with the 'future@now' logo to the right. A small grey box on the left shows the time '04:27'. At the bottom of the player, the text 'Screencast-O-Matic.com' is on the left, and 'livestream' is on the right, accompanied by signal and volume icons.

Mary Moss Wirt
3rd Grade Digital Learner
Cary Elementary School (NC)

04:27

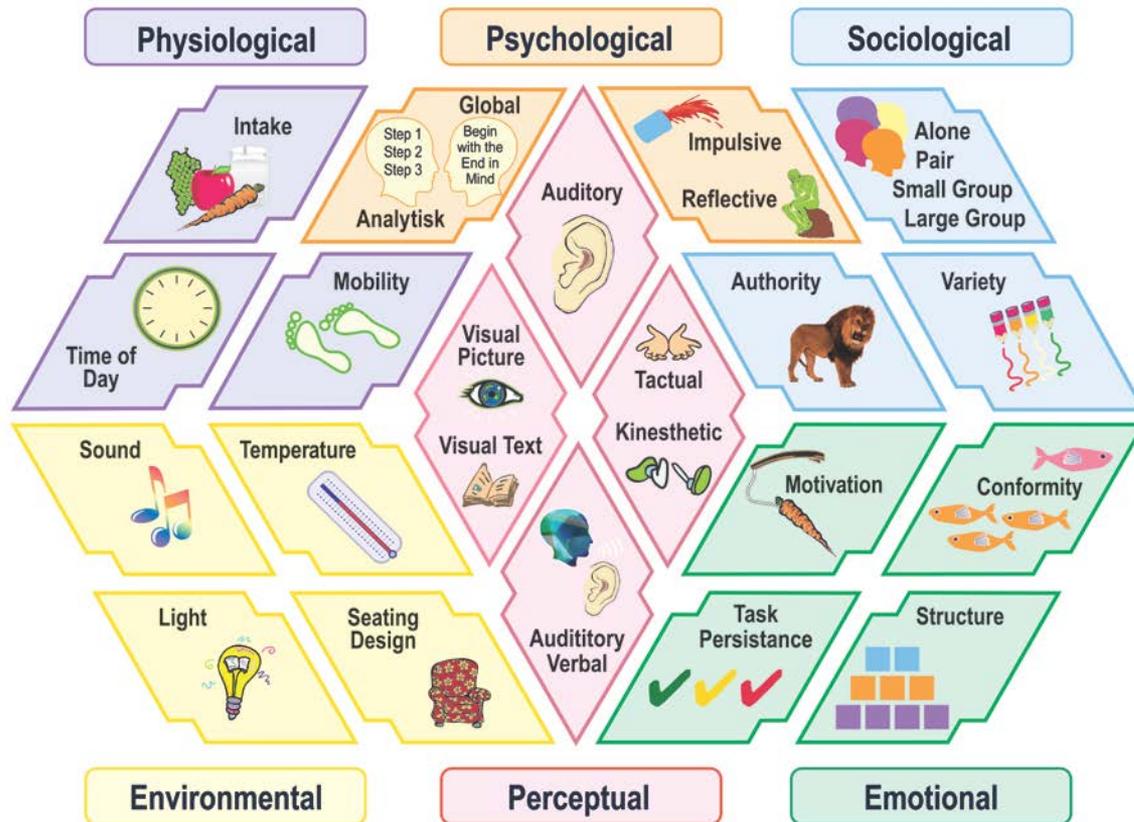
Screencast-O-Matic.com

livestream

THE BUILDING EXCELLENCE SURVEY

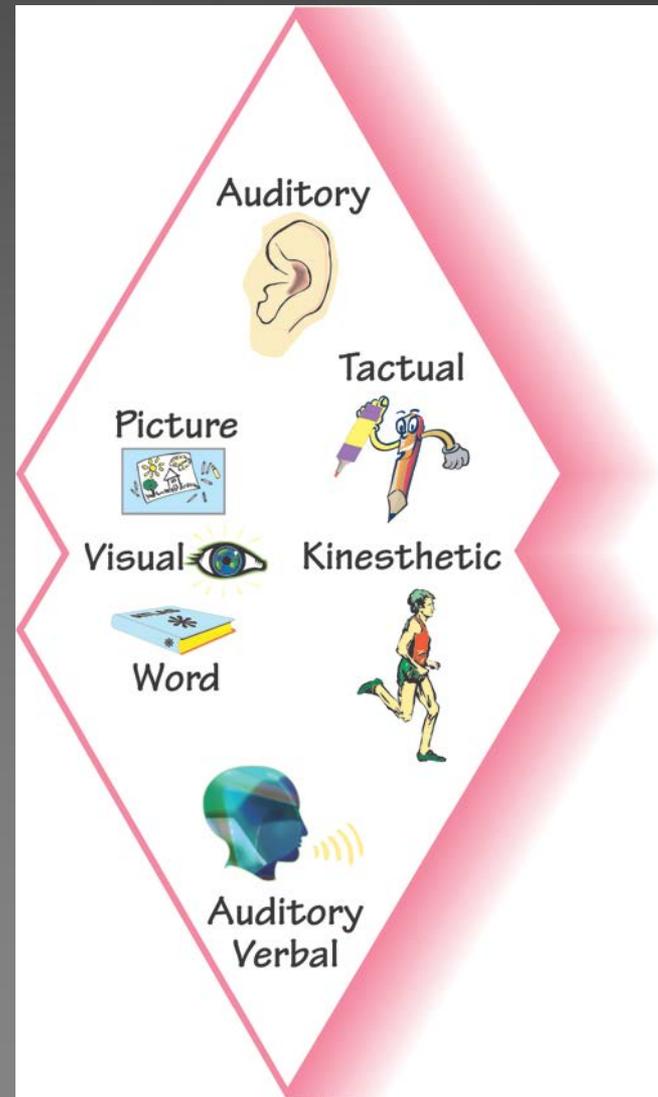


BE—Identifying Educational and Work-Based Learning Strengths and Productivity Preferences



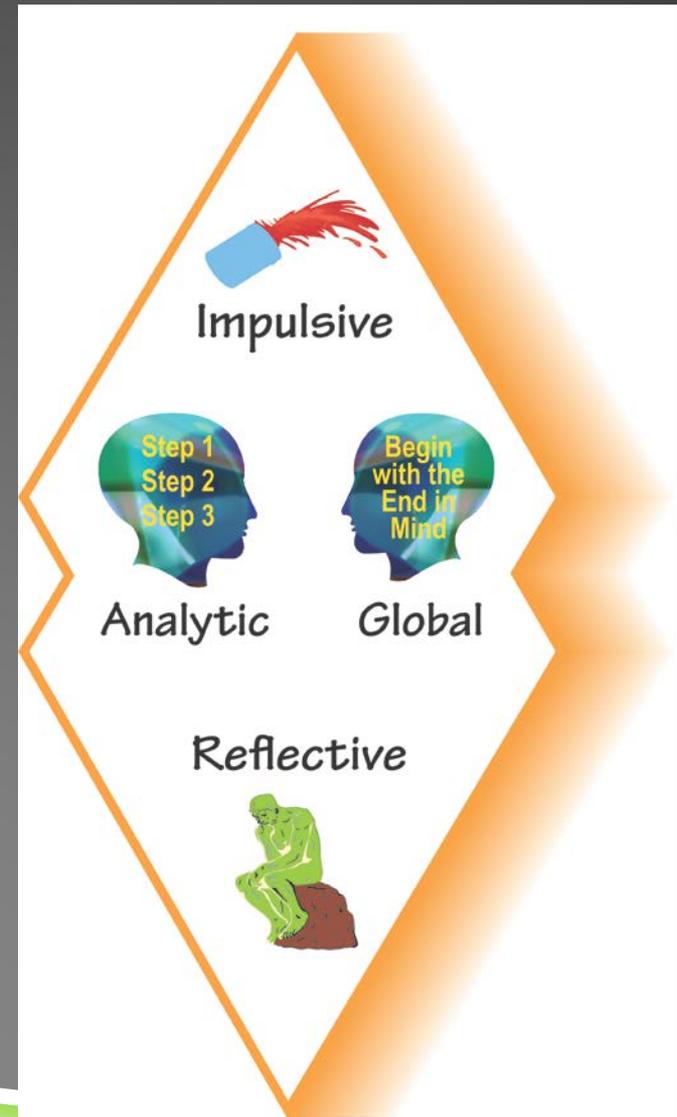
PERCEPTUAL

- ▶ Auditory- 75% of what they hear
- ▶ Visual Picture
- ▶ Visual Text- documents
- ▶ Tactual-small motor
- ▶ Kinesthetic-large motor
- ▶ Verbal – need to discuss



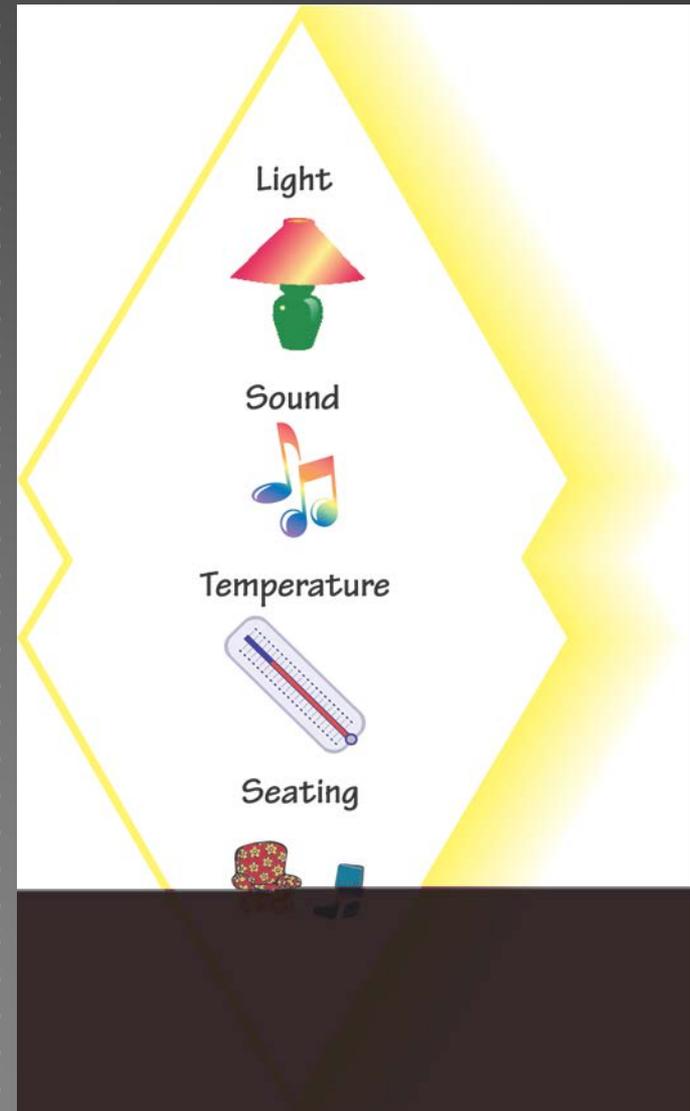
PSYCHOLOGICAL

- ▶ Global sees the forest
- ▶ Analytic sees the tress
- ▶ Interred both
- ▶ Reflectives think first then jump
- ▶ Impulsives jump



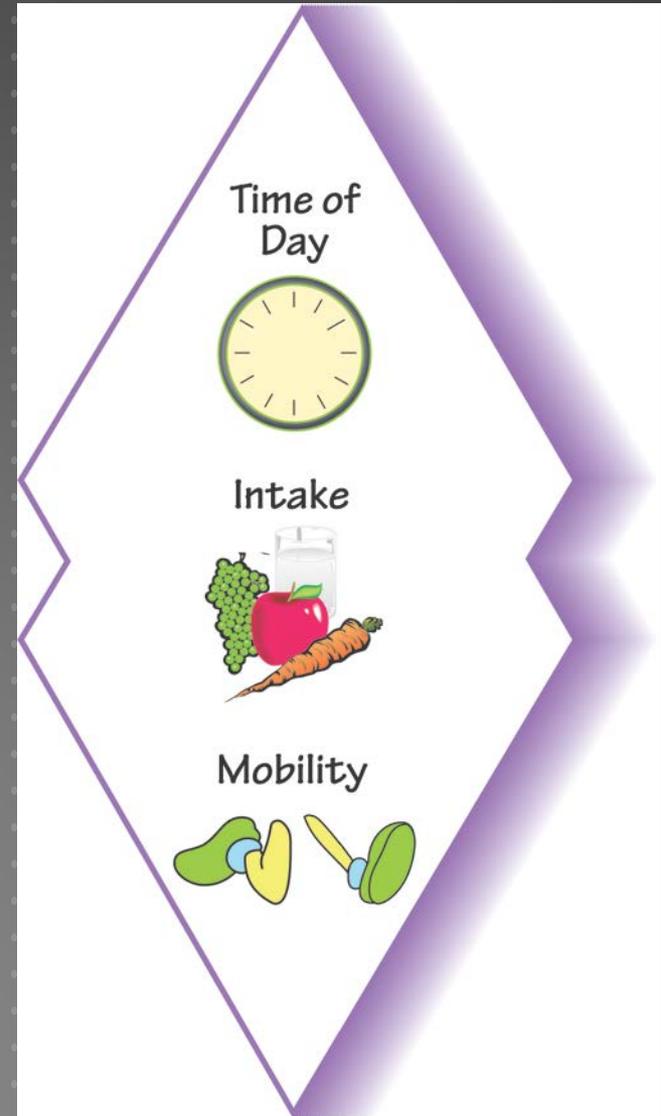
ENVIRONMENTAL

▶ How do your buildings measure up?



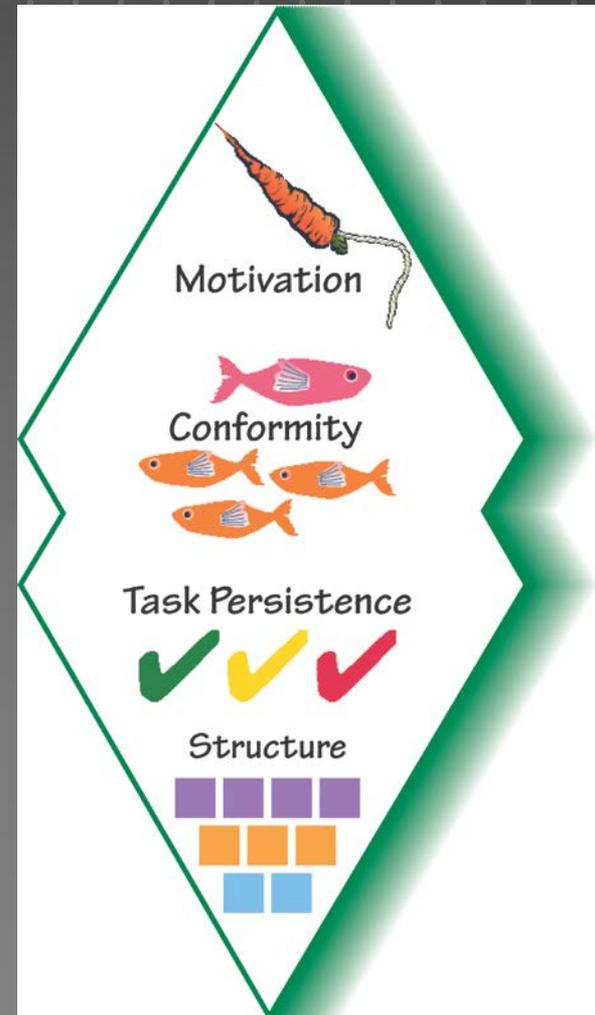
PHYSIOLOGICAL

- ▶ Was your building designed to accommodate this?



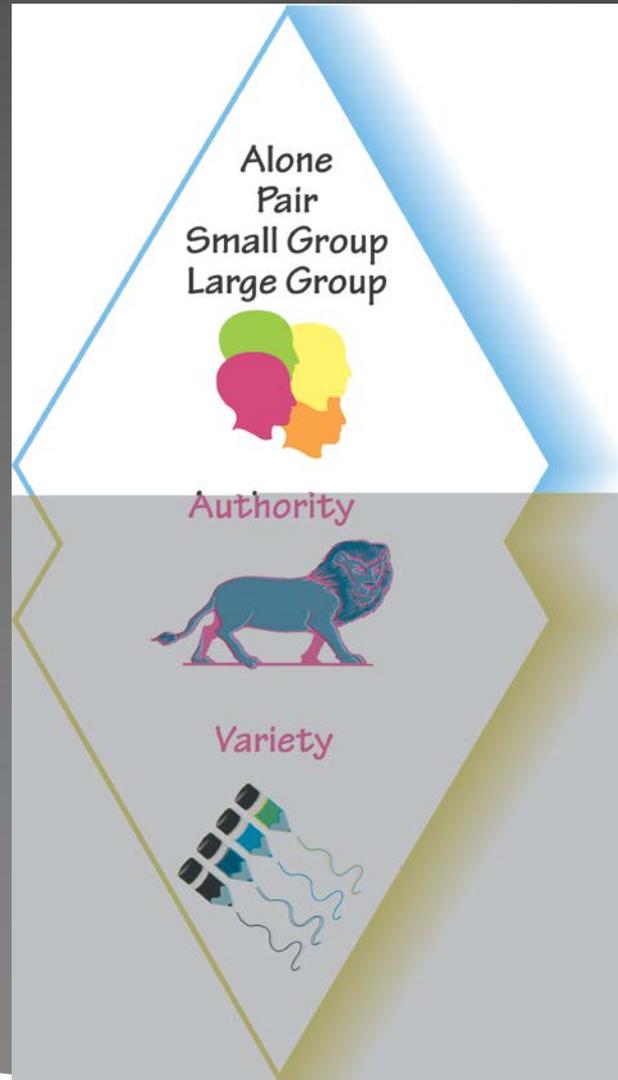
EMOTIONAL

internally or externally motivated?
one task at a time or several tasks ?
doing tasks the way YOU prefer ?
prefer procedures by others or create
your own?



SOCIOLOGICAL

- ▶ Groupings?
- ▶ Teacher in charge?
- ▶ Variety?





COURTYARD



COURT YARD - VIEW 2
GROUND FLOOR

MULTI PURPOSE



MULTI PURPOSE ROOM - VIEW 2
BASEMENT 1

MEDIA CENTER



INFORMATION CENTER - VIEW 2
FIRST FLOOR

TOILETS



BOY'S TOILET - VIEW 2

PLAYGROUND ENTRANCE



PLAY GROUND ENTRANCE - VIEW 1
GROUND FLOOR

RECEPTION



ADMINISTRATION AREA - VIEW 2
GROUND FLOOR