



**YOU
LEARN
WHAT YOU
SEE.**



EDUCATIONAL
Murals



About OBL

Orient Bell Limited (OBL) is amongst the largest manufacturers of Wall and Floor Tiles. Established in 1977, OBL has been a pioneer in the Industry with a focus on customer-centric innovation.

First to manufacture ultra-vitrified tiles, new product designs & development is a continuous process at OBL. As a result it has an extensive range of tiles with various finishes & textures. It has 4 patent-pending technologies: Forever Tiles, GermFree Tiles, Cool Tiles & Life Tiles.

To display extensive range of tiles, we have a chain of signature showrooms. Privileged to be associated with premier architects and construction agencies of the country, it also counts most leading developers as well as government & public sector institutions as its customers.



OBL Awards & Accolades

Realty+ recognizes the best of the best within the ranks of Indian Real Estate



Website Of the Year-Jan 2020
for www.orientbell.com
(India's construction & design industry)



Brand Of the Year-Jan 2021
(Flooring Idea-Tiles & Ceramic)



Best Omnichannel Retail Model
Winners Future of Retail Summit & Awards 2020



Customer Retail Journey Innovation
Winners Future of Retail Summit & Awards 2020



CEO with HR Orientation
ZEE BUSINESS
National Human Capital Leadership Congress & Awards



- The ISO 9001:2015 accreditation for our quality control management systems reflects the quest for manufacturing international standard products.
- In 2015 our Sikandarabad plant was awarded with prestigious ISI certification for its products.
- In May 2000, OBL was awarded ISO 14001 certification by the internationally recognised BSI Management Systems, UK.
- Our manufacturing units are ISO 14001:2015 certified, the most complete and global expression for an environment friendly industrial company.
- We have been awarded OHSAS 18001 Certification for Health & Safety Standards. No waste water is ever discharged from our factory.
- We were also awarded with "Certificate Of Merit" in 'National Energy Conservation Award' 2016 organised by Ministry of Power for saving Power and Fuel consumption.

CREATIVE SOLUTIONS FOR SCHOOL BUILDINGS

Murals EDUCATIONAL

Orient Bell Limited introduces Interactive & Educational School Tiles , Educational Murals to encourage all-inclusive Learning for students through Educational Content printed Wall Tiles.

IMPACT ON SCHOOLS*

36%

increase in enrolments in just 2 years

31%

reduction in absenteeism, reduced from 53% to 12% in 2 years



Improved performance in exams

Creates an interactive learning experience

Enables quick revision of topics

Active visual learning while on the move

Increased retention of complex concepts

Reduces violence & bullying in school premises

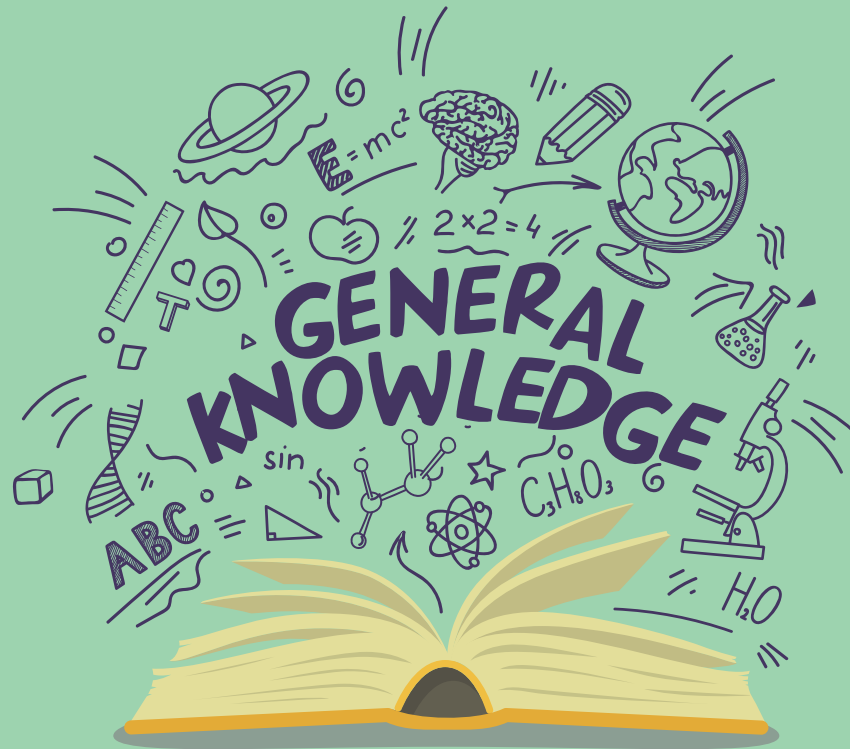
Scribble proof

***Data based on**

- Primary School, Til Begampur, Sikandarabad, Uttar Pradesh
- Primary School, Jokhababad, Sikandrabad, Uttar Pradesh
- Shankar Dham Campus, Ahmedabad, Gujarat

- Praathamic Vidhyalaya, Pisanharia-Pratham, Varanasi, Uttar Pradesh
- Rajkiya Madhyamic Vidhayala, Panchayawala, Jaipur, Rajasthan
- Nirmal Primary School, New Delhi

The amazing General Knowledge Series.



General knowledge is an important aspect of human life. Lack of general knowledge can actually constrain your social interaction.

Every child is different, but every child is curious. They are individuals who are much more likely to become inventors or artists than grown-ups. Orientbell Educational Murals will equip their curiosity with small snippets and trivia of learning.

CONTINENTS AND OCEANS

BLACK BOARD

WORLD MAP

MAP OF INDIA

NATIONAL ANTHEM

HP BAPU

HP BHARAT

NATIONAL SYMBOLS

ASTRONAUTS

SPORTS PERSONALITIES

LITERACY

SAVE WATER

VITAMINS AND MINERALS

BALANCED DIET

ENVIRONMENT

CLEANLINESS

EDUCATION

CLEAN INDIA

UNITY

SAARE JAHAN

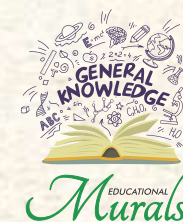


A great way to reduce Paper Charts and Plastic

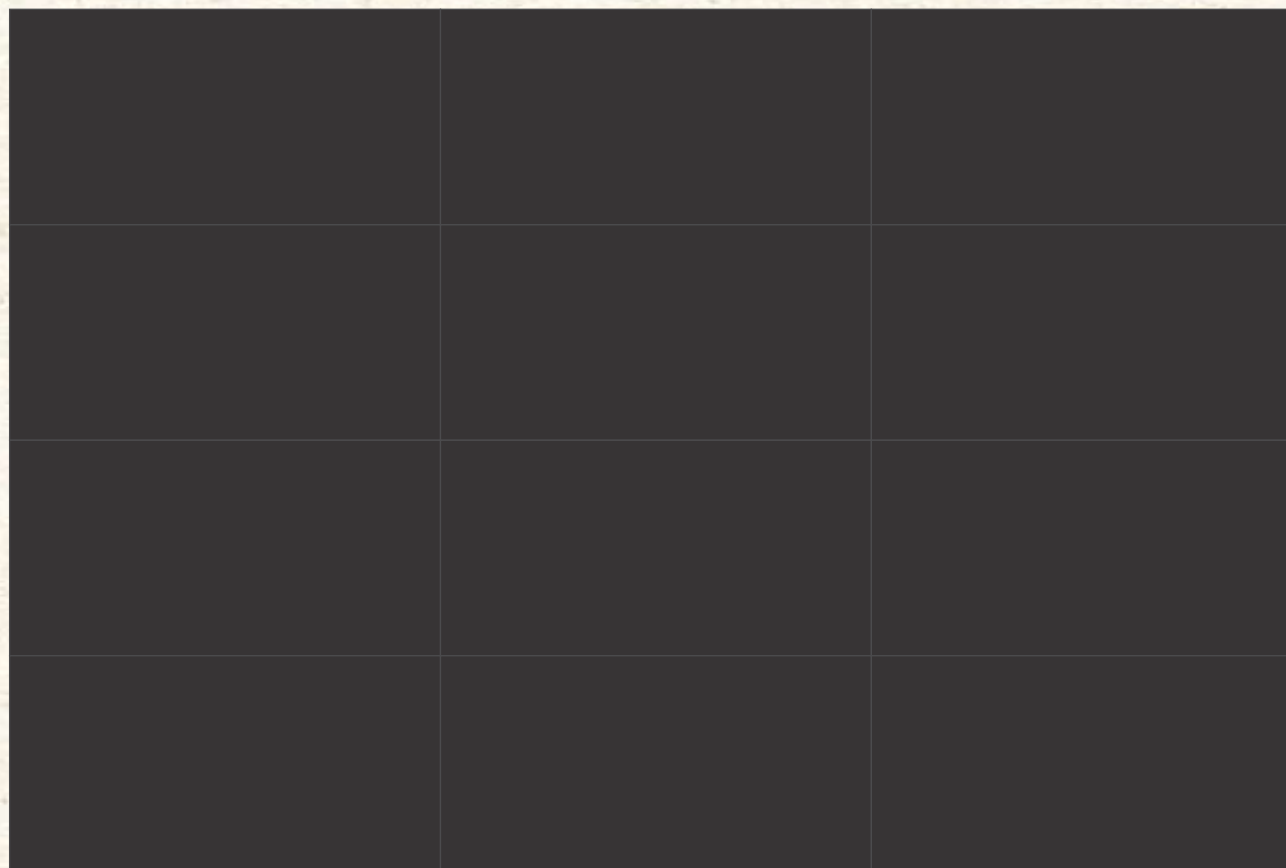


Number of Tiles : 12
 Tile Size : 250x375 mm
 Mural Size : 1125x1000 mm
Mural Name: CONTINENTS AND OCEANS





Blackboard Tiles, designed specially for Schools!



Number of Tiles : 12
Tile Size : 300x600 mm

Mural Size : 1800x1200 mm
Mural Name: BLACK BOARD



borientbell
tiles

WORLD MAP (विश्व का नक्शा)

- ★ Country Capital
- Important Cities

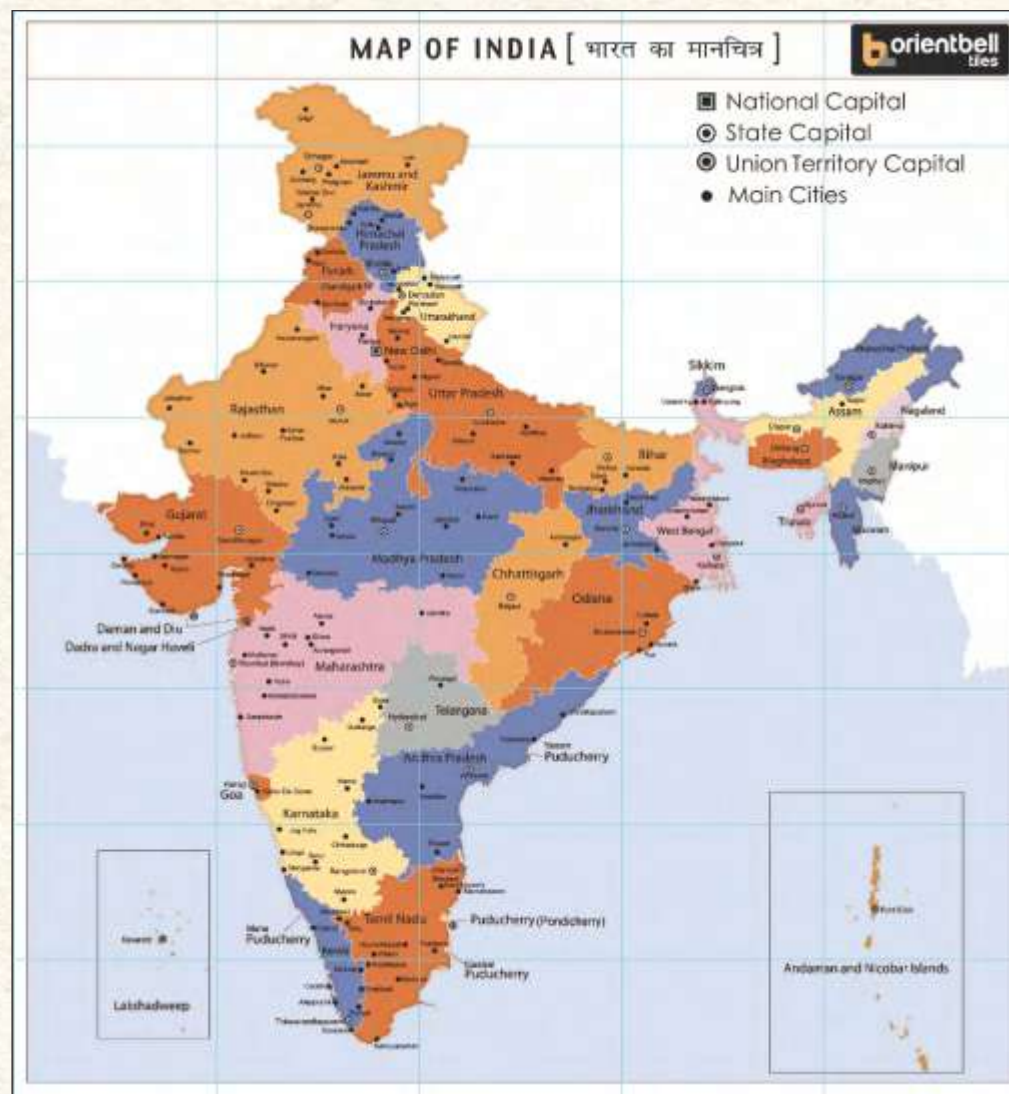




Number of Tiles : 42
Tile Size : 250x375 mm

Mural Size : 1250x1750 mm
Mural Name: WORLD MAP





Number of Tiles : 40
 Tile Size : 250x375 mm

Mural Size : 2000x1875 mm
 Mural Name: MAP OF INDIA

राष्ट्रीय गान

जन-गण-मन अधिनायक जय हे
भारत-भाग्य-विधाता ।
पंजाब-सिंध-गुजरात-मराठा
द्राविड़ उत्कल बंग ।
विंध्य-हिमाचल-यमुना-गंगा,
उच्छल जलधि तरंग ।
तव शुभ नामे जागे,
तव शुभ आशिष मांगे,
गाहे तव जय गाथा ।
जन-गण मंगलदायक जय हे,
भारत-भाग्य-विधाता ।
जय हे, जय हे, जय हे,
जय जय जय,जय हे ॥

बापू



बच्चों को बापू प्यारे थे।
वह सारे जग से न्यारे थे ॥
अच्छी बातें सिखलाते थे।
सब को गले लगाते थे ॥
सत्य, अहिंसा परम धर्म है,
यह था उनका नारा।
जाति धर्म से बढ़कर है,
यह भारत देश हमारा ॥

राष्ट्रीय गान

जन-गण-मन अधिनायक जय हे
भारत-भाग्य-विधाता ।
पंजाब-सिंध-गुजरात-मराठा
द्राविड़ उत्कल बंग ।
विंध्य-हिमाचल-यमुना-गंगा,
उच्छल जलधि तरंग ।
तव शुभ नामे जागे,
तव शुभ आशिष मांगे,
गाहे तव जय गाथा ।
जन-गण मंगलदायक जय हे,
भारत-भाग्य-विधाता ।
जय हे, जय हे, जय हे,
जय जय जय,जय हे ॥

Number of Tiles : 18

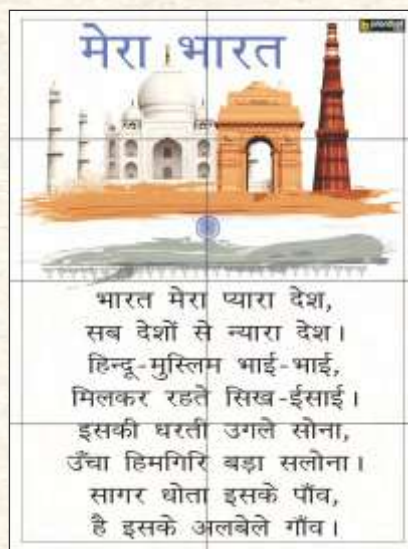
Tile Size : 250x375 mm

Mural Size : 1125x1500 mm

Mural Name: NATIONAL ANTHEM



Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: HP BAPU

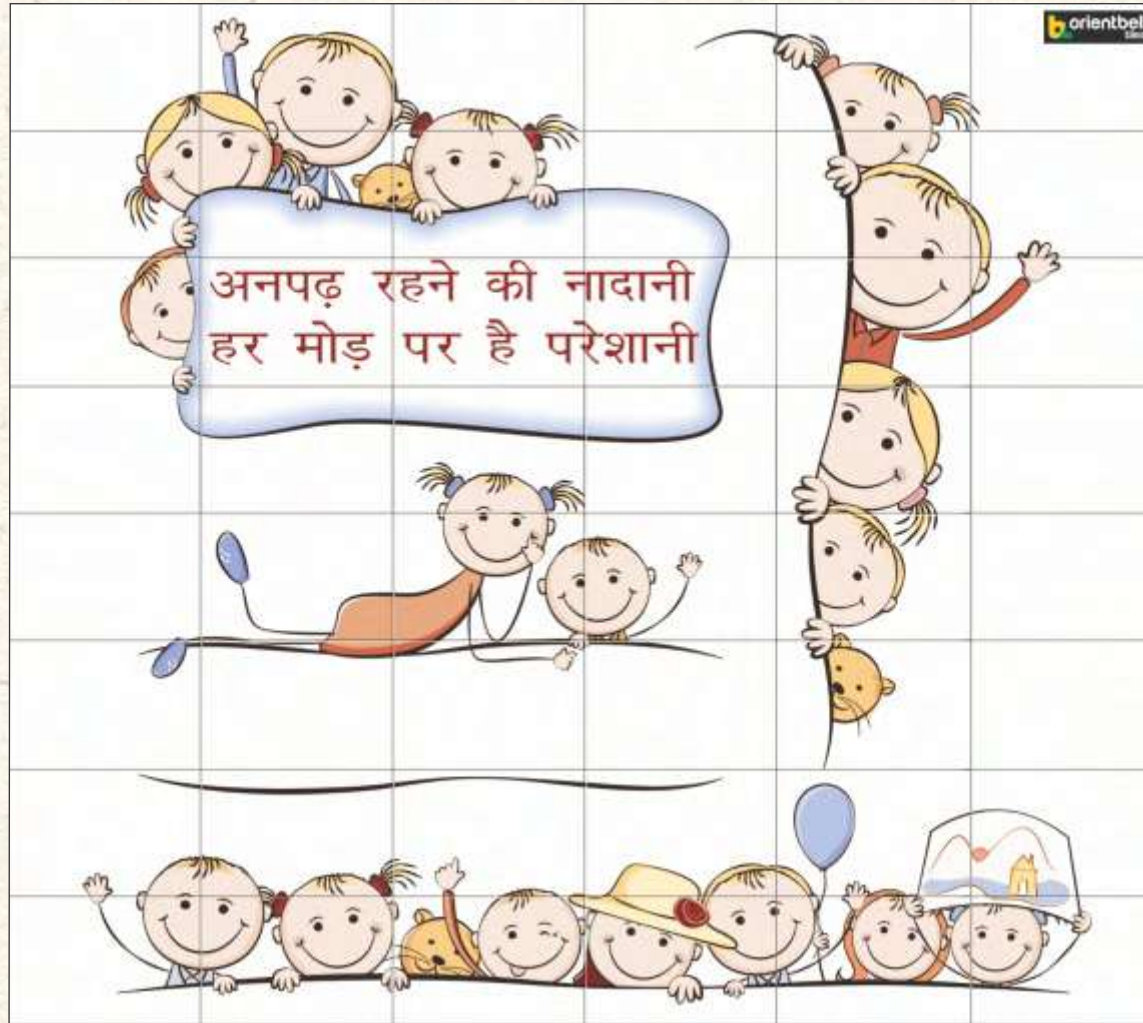


Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: HP BHARAT



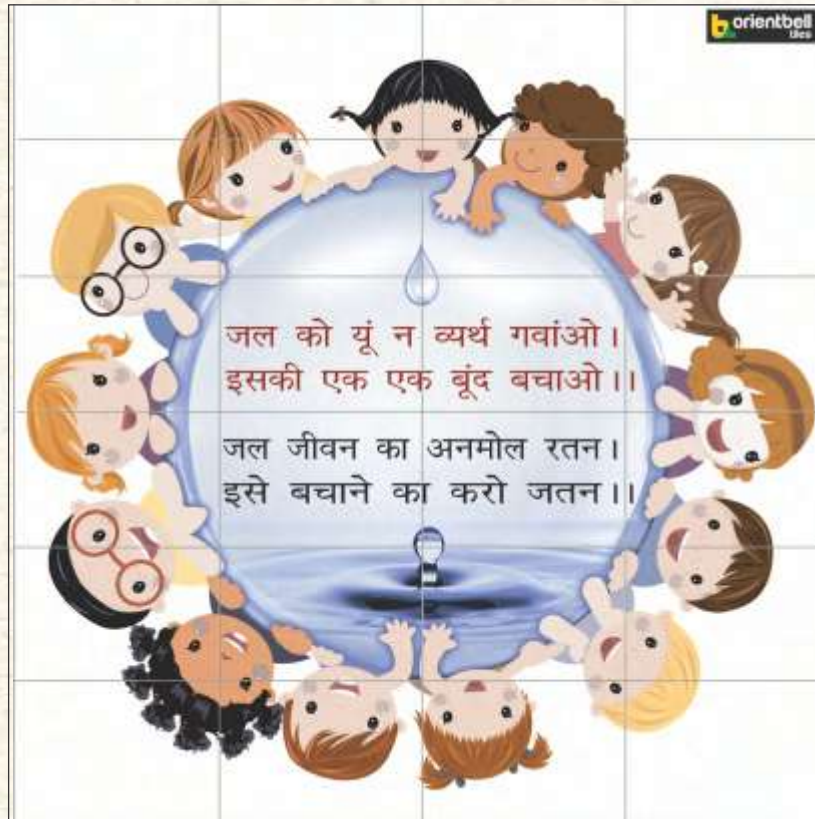
Number of Tiles : 6
Tile Size : 250x375 mm
Mural Size : 1125x500 mm
Mural Name: NATIONAL SYMBOLS



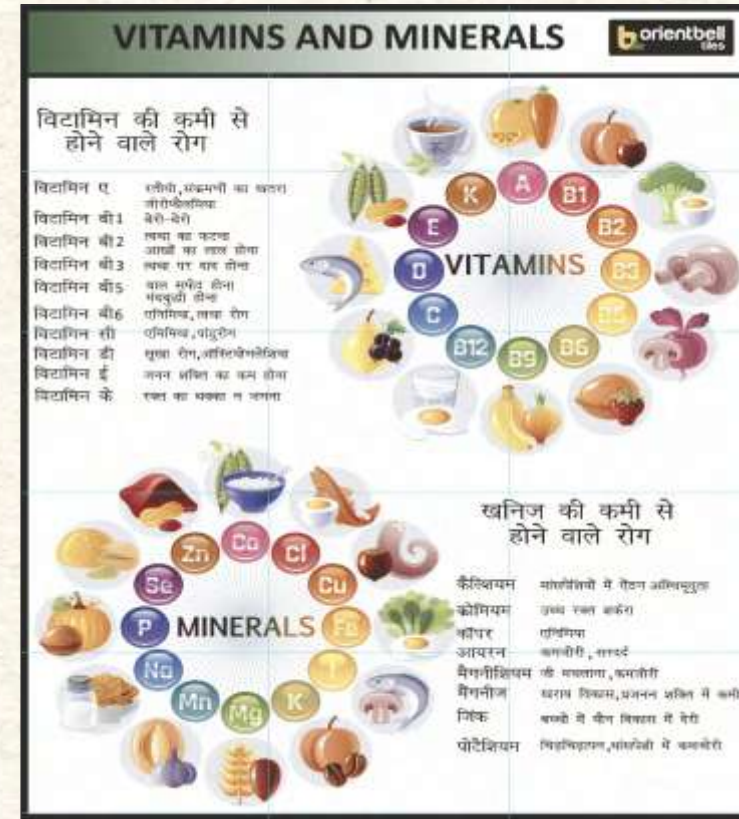


Number of Tiles : 48
Tile Size : 250x375 mm

Mural Size : 2000x2250 mm
Mural Name: LITERACY

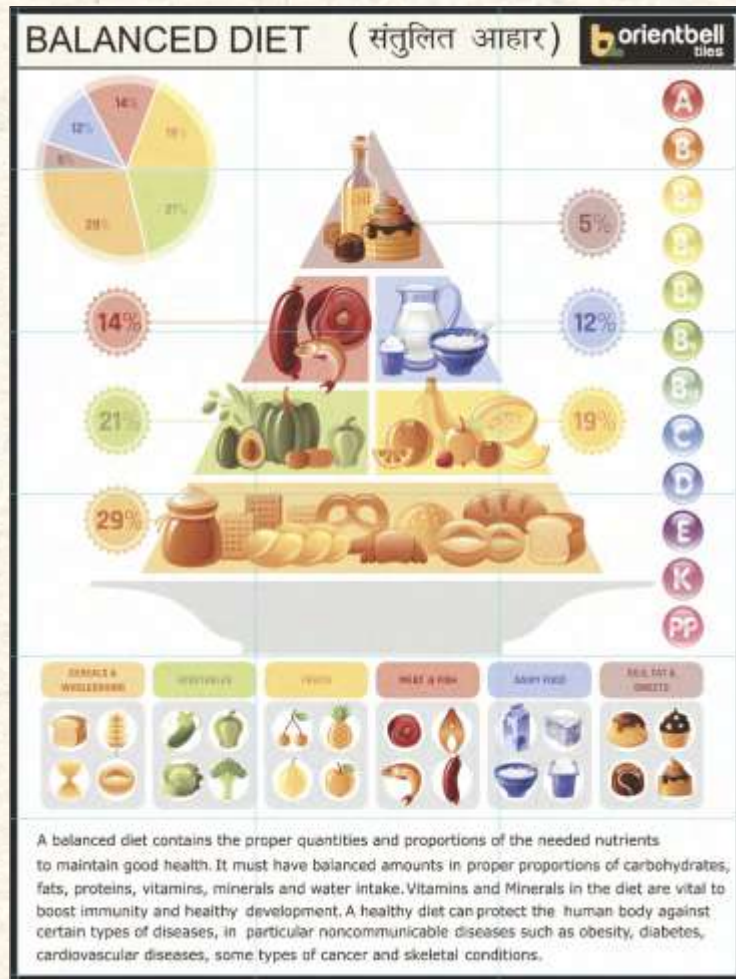


Number of Tiles : 24
Tile Size : 250x375 mm
Mural Size : 1500x1500 mm
Mural Name: SAVE WATER



Number of Tiles : 15
Tile Size : 300x450 mm
Mural Size : 1350x1500 mm
Mural Name: VITAMINS AND MINERALS

Knowing what is healthy is the first step of being healthy



Number of Tiles : 18
 Tile Size : 300x450 mm
 Mural Size : 1350x1800 mm
 Mural Name: BALANCED DIET







Number of Tiles : 25
Tile Size : 250x375 mm

Mural Size : 1875x1250 mm
Mural Name: ENVIRONMENT

*Be Eco-friendly, Every moment,
Every corner*



Number of Tiles : 25
Tile Size : 250x375 mm

Mural Size : 1875x1250 mm
Mural Name: CLEANLINESS



Number of Tiles : 35
Tile Size : 250x375 mm

Mural Size : 2625x1250 mm
Mural Name: EDUCATION



Number of Tiles : 35
Tile Size : 250x375 mm

Mural Size : 2625x1250 mm
Mural Name: CLEAN INDIA

*Constant interaction leads to
Everlasting Beliefs!*



Number of Tiles : 65
Tile Size : 250x375 mm

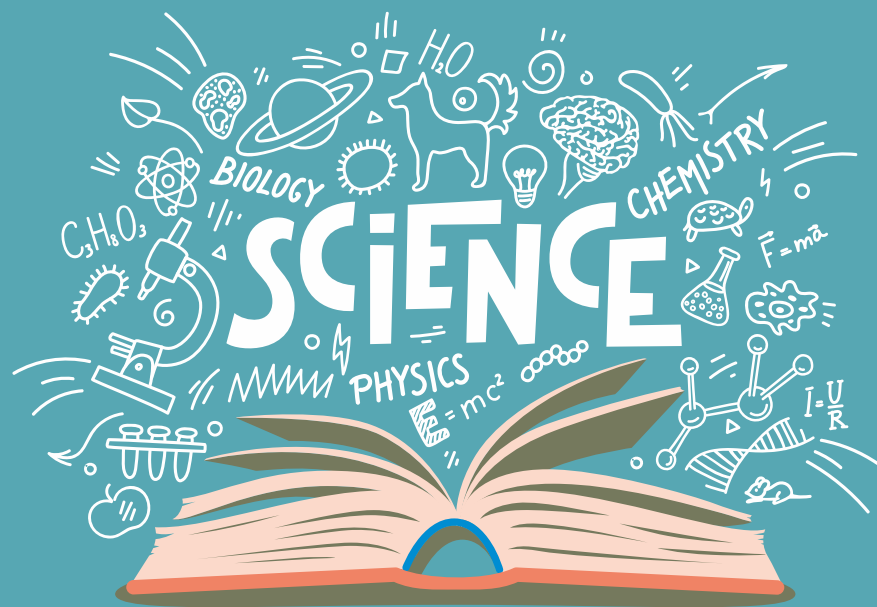
Mural Size : 4875x1250 mm
Mural Name: UNITY



Number of Tiles : 65
Tile Size : 250x375 mm

Mural Size : 4875x1250 mm
Mural Name: SAARE JAHAN

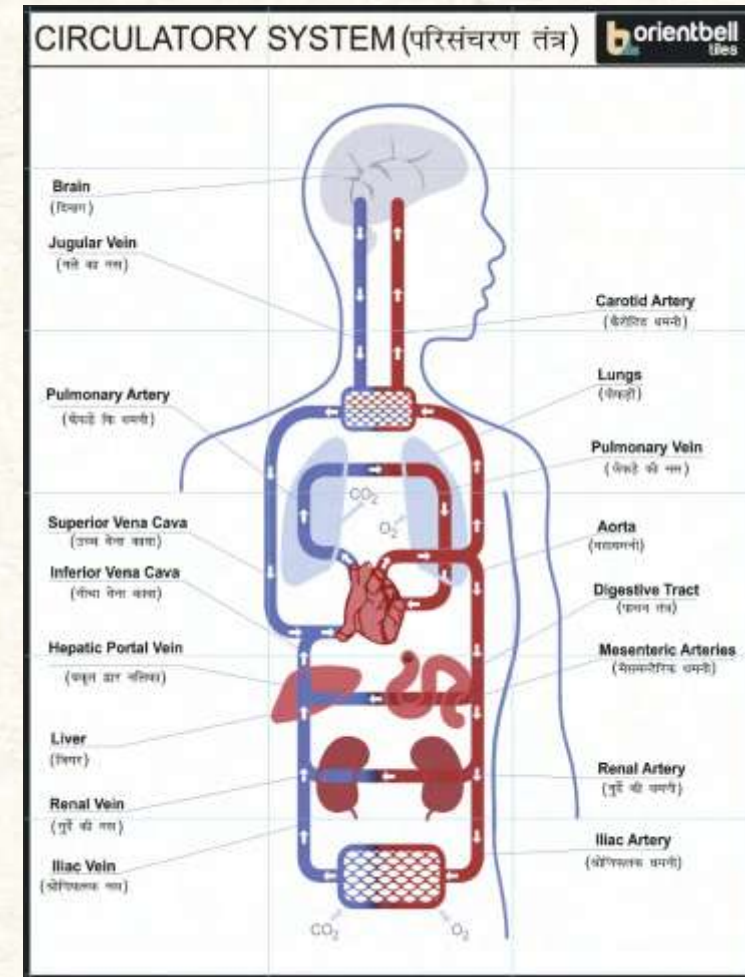
The secret Science Series.



The process of “becoming” anything – be it a doctor, astronaut or artist – starts from a very early age. Imagine teaching science to children has secrets and not lessons. Orientbell Educational Murals turn science into fun, play, wonder and surprise.

CIRCULATORY SYSTEM	SKIN ANATOMY
PERIODIC TABLE	BONE, MUSCLE, TENDON, LIGAMENT & TISSUE
MAGNETIC FIELD	NEWTON'S LAW OF MOTION
STRUCTURE OF ATOM	TYPE OF FORCES
STATES OF MATTER	KINETIC & POTENTIAL ENERGY
SOLAR SYSTEM	TYPES OF FRICTION
SOLAR ECLIPSE	WEATHER CHART
SPACE	WATER CYCLE
EARTH'S ATMOSPHERE	ANGLES
PHOTOSYNTHESIS	
CELL STRUCTURE	
LAYERS OF SOIL	
SEED GERMINATION	
GREEN ENERGY	
SOURCES OF ENERGY	
ANIMAL BODY PARTS	
MICRO ORGANISMS	
LIFE CYCLE OF A BUTTERFLY	
PARTS OF BODY	
ORGANS	
RESPIRATORY SYSTEM	
NERVOUS SYSTEM	
HUMAN REPRODUCTIVE SYSTEM	
URINARY SYSTEM	
SKELETON ANATOMY	
DIGESTIVE SYSTEM	
ANATOMY OF EYE	
TEETH	

*Curious juniors wants to know all!
Inter age interactions for promoting harmony.*



Number of Tiles : 18
 Tile Size : 300x450 mm
 Mural Size : 1350x1800 mm
Mural Name: CIRCULATORY SYSTEM

PERIODIC TABLE OF THE ELEMENTS

orientbell

1
H
 Hydrogen
 1.008
 Atomic number
 Symbol
 Name
 Atomic Weight

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1 H Hydrogen 1.008																	He Helium 4.0026	
2 Li Lithium 6.94	Be Beryllium 9.0122															Ne Neon 20.1797		
3 Na Sodium 22.9897	Mg Magnesium 24.304															Ar Argon 39.948		
4 K Potassium 39.0983	Ca Calcium 40.078	Sc Scandium 44.9559	Ti Titanium 47.88	V Vanadium 50.9415	Cr Chromium 51.9961	Mn Manganese 54.938	Fe Iron 55.845	Co Cobalt 58.9332	Ni Nickel 58.6934	Cu Copper 63.546	Zn Zinc 65.38	Ga Gallium 69.723	Ge Germanium 72.64	As Arsenic 74.9216	Se Selenium 78.96	Br Bromine 79.904	Kr Krypton 83.798	
5 Rb Rubidium 85.4678	Sr Strontium 87.62	Y Yttrium 88.9058	Zr Zirconium 91.224	Nb Niobium 92.90638	Mo Molybdenum 95.94	Tc Technetium 98	Ru Ruthenium 101.07	Rh Rhodium 102.9055	Pd Palladium 106.42	Ag Silver 107.8682	Cd Cadmium 112.411	In Indium 114.818	Sn Tin 118.710	Sb Antimony 121.757	Te Tellurium 127.6	I Iodine 126.90548	Xe Xenon 131.29	
6 Cs Caesium 132.90545	Ba Barium 137.327	56-71 Lanthanide		Hf Hafnium 178.49	Ta Tantalum 180.94788	W Tungsten 183.84	Re Rhenium 186.207	Os Osmium 190.23	Ir Iridium 192.222	Pt Platinum 195.084	Au Gold 196.96657	Hg Mercury 200.59	Tl Thallium 204.3833	Pb Lead 207.2	Bi Bismuth 208.9804	Po Polonium 209	At Astatine 210	Rn Radon 222
7 Fr Francium 223	Ra Radium 226	88-103 Actinide		Rf Rutherfordium 261	Db Dubnium 262	Sg Seaborgium 263	Bh Bohrium 264	Hs Hassium 265	Mt Meitnerium 266	Ds Darmstadtium 267	Rg Roentgenium 268	Cn Copernicium 269	Uut Ununtrium 270	F1 Flerovium 271	Uuq Ununquadium 272	Lv Livermorium 273	Uus Ununseptium 274	Uuo Ununoctium 276
Lanthanide		La Lanthanum 138.90547	Ce Cerium 140.12	Pr Praseodymium 140.90766	Nd Neodymium 144.242	Pm Promethium 144.91268	Sm Samarium 150.36	Eu Europium 151.964	Gd Gadolinium 157.25	Tb Terbium 158.92535	Dy Dysprosium 162.5001	Ho Holmium 164.93032	Er Erbium 167.259	Tm Thulium 168.93032	Yb Ytterbium 173.05468	Lu Lutetium 174.967		
Actinide		Ac Actinium 227	Th Thorium 232.0377	Pa Protactinium 231.03688	U Uranium 238.02891	Np Neptunium 237	Pu Plutonium 244	Am Americium 243	Cm Curium 247	Bk Berkelium 247	Cf Californium 251	Es Einsteinium 252	Fm Fermium 257	Md Mendelevium 258	No Nobelium 259	Lr Lawrencium 260		

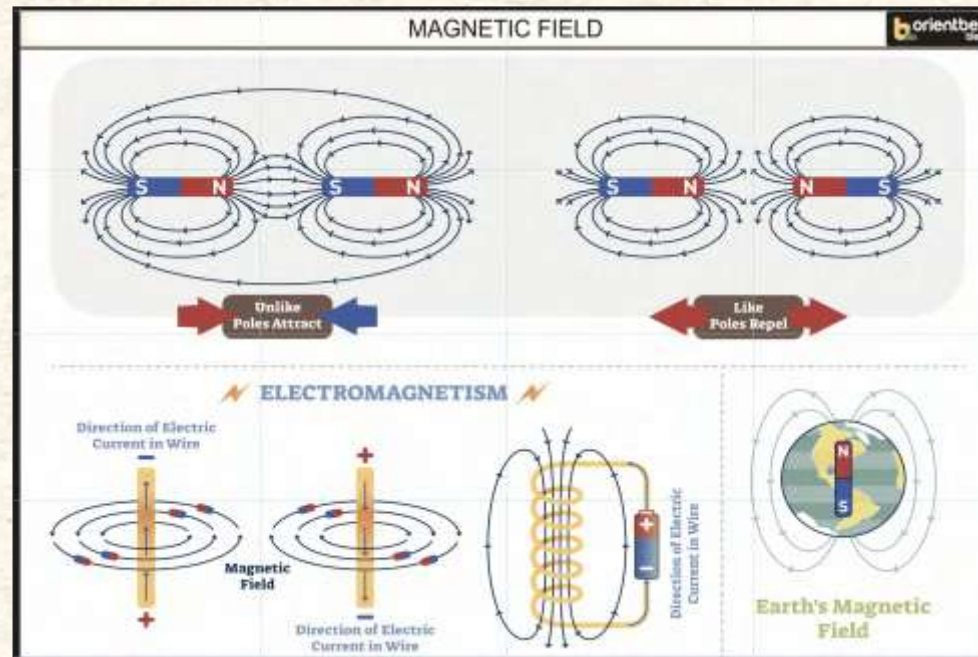


PERIODIC TABLE OF THE ELEMENTS **orientbell**
Murals

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1 H Hydrogen 1.008																	2 He Helium 4.0026	
2 Li Lithium 6.941	Be Beryllium 9.0122												B Boron 10.811	C Carbon 12.011	N Nitrogen 14.007	O Oxygen 15.999	F Fluorine 18.998	Ne Neon 20.180
3 Na Sodium 22.990	Mg Magnesium 24.305												Al Aluminum 26.982	Si Silicon 28.086	P Phosphorus 30.974	S Sulfur 32.06	Cl Chlorine 35.45	Ar Argon 39.948
4 K Potassium 39.098	Ca Calcium 40.078	Sc Scandium 44.956	Ti Titanium 47.88	V Vanadium 50.942	Cr Chromium 52.00	Mn Manganese 54.938	Fe Iron 55.845	Co Cobalt 58.933	Ni Nickel 58.69	Cu Copper 63.546	Zn Zinc 65.38	Ga Gallium 69.723	Ge Germanium 72.64	As Arsenic 74.922	Se Selenium 78.96	Br Bromine 79.904	Kr Krypton 83.798	
5 Rb Rubidium 85.468	Sr Strontium 87.62	Y Yttrium 88.906	Zr Zirconium 91.224	Nb Niobium 92.906	Mo Molybdenum 95.94	Tc Technetium 98.906	Ru Ruthenium 101.07	Rh Rhodium 102.91	Pd Palladium 106.42	Ag Silver 107.87	Cd Cadmium 112.41	In Indium 114.82	Sn Tin 118.71	Sb Antimony 121.76	Te Tellurium 127.6	I Iodine 126.91	Xe Xenon 131.29	
6 Cs Cesium 132.91	Ba Barium 137.33	57-71 Lanthanide	Hf Hafnium 178.49	Ta Tantalum 180.95	W Tungsten 183.84	Re Rhenium 186.21	Os Osmium 190.23	Ir Iridium 192.22	Pt Platinum 195.08	Au Gold 196.97	Hg Mercury 200.59	Tl Thallium 204.38	Pb Lead 207.2	Bi Bismuth 208.98	Po Polonium 209	At Astatine 210	Rn Radon 222	
7 Fr Francium 223	Ra Radium 226	89-103 Actinide	Rf Rutherfordium 261	Db Dubnium 262	Sg Seaborgium 266	Bh Bohrium 264	Hs Hassium 277	Mt Meitnerium 268	Ds Darmstadtium 271	Rg Roentgenium 272	Cn Copernicium 285	Uut Ununtrium 288	Fl Flerovium 289	Uuq Ununquadium 294	Lv Livermorium 293	Uus Ununseptium 294	Uuo Ununoctium 294	
Lanthanide	La Lanthanum 138.91	Ce Cerium 140.12	Pr Praseodymium 140.91	Nd Neodymium 144.24	Pm Promethium 145	Sm Samarium 150.36	Eu Europium 151.96	Gd Gadolinium 157.25	Tb Terbium 158.93	Dy Dysprosium 162.50	Ho Holmium 164.93	Er Erbium 167.26	Tm Thulium 168.93	Yb Ytterbium 173.05	Lu Lutetium 174.97			
Actinide	Ac Actinium 227	Th Thorium 232.04	Pa Protactinium 231.04	U Uranium 238.03	Np Neptunium 237	Pu Plutonium 244	Am Americium 243	Cm Curium 247	Bk Berkelium 247	Cf Californium 251	Es Einsteinium 252	Fm Fermium 257	Md Mendelevium 258	No Nobelium 259	Lr Lawrencium 260			

Number of Tiles : 20
 Tile Size : 300x450 mm

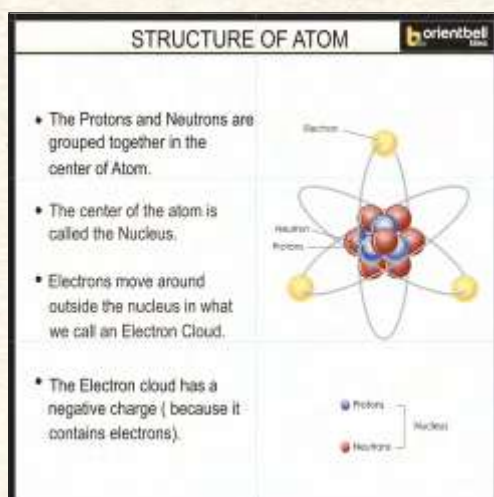
Mural Size : 1800x1500 mm
 Mural Name: PERIODIC TABLE



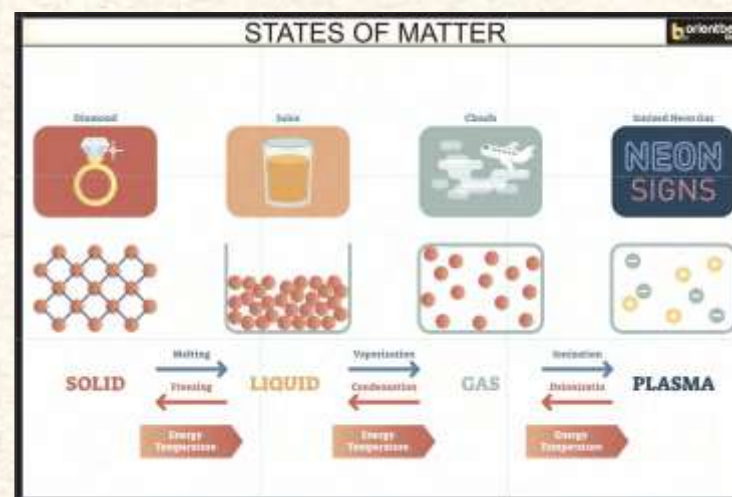
Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: MAGNETIC FIELD

Knowledge planted perfectly is the world's most potent power.



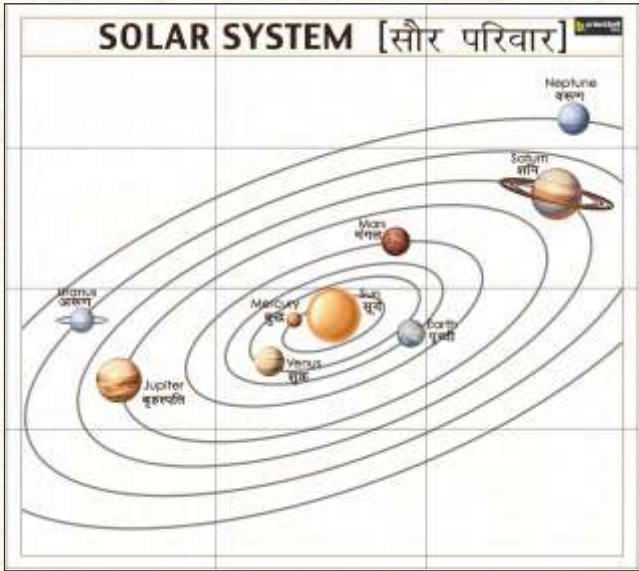
Number of Tiles : 6
 Tile Size : 300x450 mm
 Mural Size : 900x900 mm
Mural Name: STRUCTURE OF ATOM



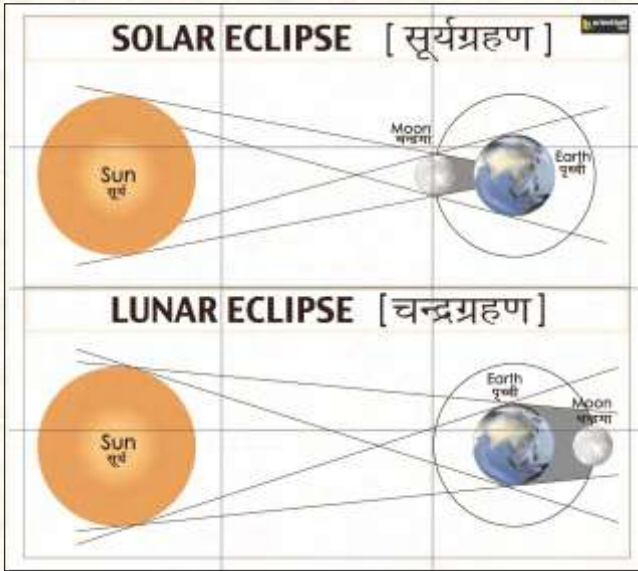
Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: STATES OF MATTER



*Permanent scribble proof learning solutions in the classroom.
No more wastage of chart papers! Let's save the trees for tomorrow!*



Number of Tiles : 12
 Tile Size : 250x375 mm
 Mural Size : 1125x1000 mm
Mural Name: SOLAR SYSTEM

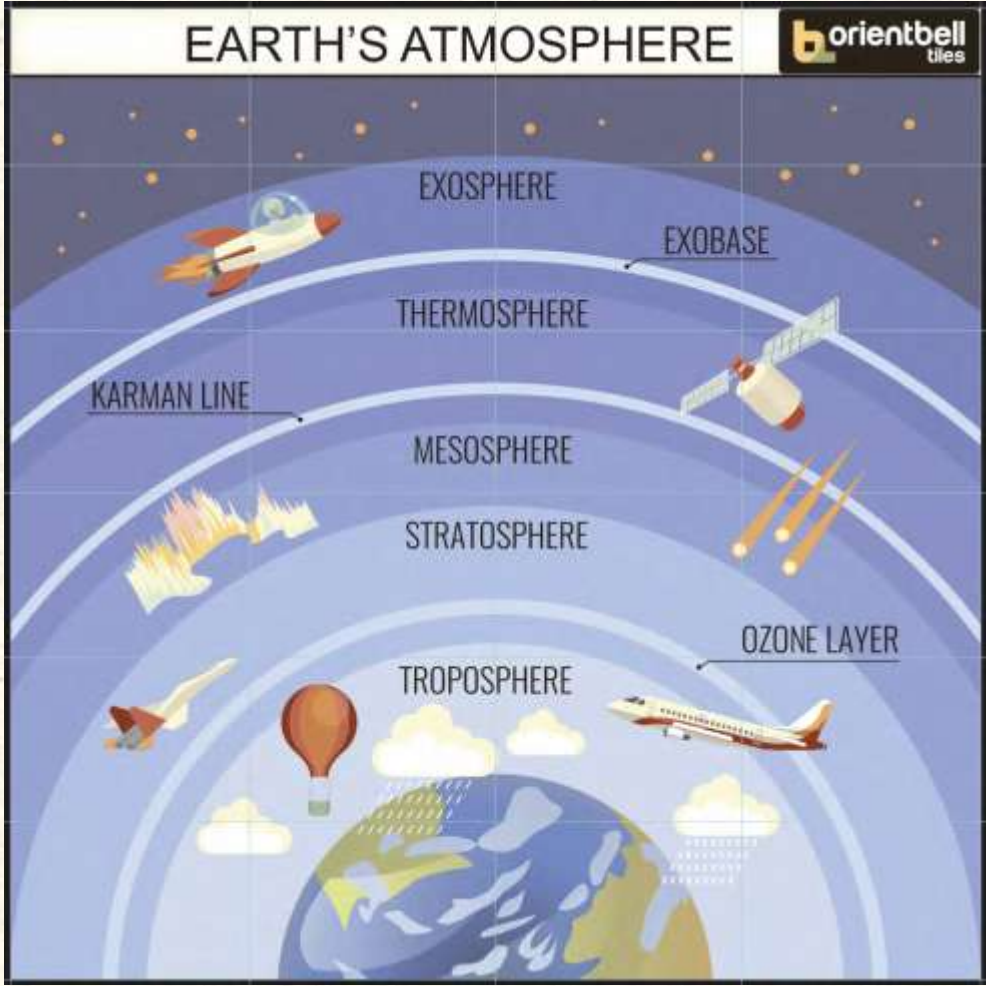


Number of Tiles : 12
 Tile Size : 250x375 mm
 Mural Size : 1125x1000 mm
Mural Name: SOLAR ECLIPSE

SPACE (अंतरिक्ष)		orientbell tiles	
<p>Sun (149.6 million km)</p> <p>OTHER SPACE IS THE GREATEST EXPLANATION TO A PERFECT MOON OF AN OBJECT'S POSITION IN THE SKY. EARLY LISTS ARE MORE TEMPORARILY KNOWN THAN MOON'S.</p> <p>FINAL PLANETS ARE KNOWN BY THEIR POSITION IN THE SKY OF AN OBJECT'S POSITION IN THE SKY. EARLY LISTS ARE MORE TEMPORARILY KNOWN THAN MOON'S.</p> <p>ALL OF THE DEEP SKY OBJECTS ARE FILLED WITH STARS THAT ARE CREATED ALONG THE SAME LINE AS THE COOLING AND CONDENSATION.</p>		<p>PHASES OF THE MOON</p>	
<p>Mercury (58 million km)</p> <p>Venus (108 million km)</p> <p>Earth (149.6 million km)</p> <p>Mars (228 million km)</p> <p>Jupiter (778 million km)</p> <p>Saturn (1.4 billion km)</p> <p>Uranus (2.9 billion km)</p> <p>Neptune (4.5 billion km)</p>		<p>ATMOSPHERE AND EARTH STRUCTURE</p> <p>THE ATMOSPHERE OF EARTH IS THE LAYER OF GASES, COMMONLY KNOWN AS AIR, THAT SURROUNDS THE PLANET EARTH AND IS RETAINED BY EARTH'S GRAVITY. THE ATMOSPHERE PROTECTS LIFE ON EARTH BY ABSORBING ULTRAVIOLET RADIATION, HEATING THE SURFACE THROUGH HEAT RETENTION (GREENHOUSE EFFECT), AND REDUCING TEMPERATURE EXTREMES (THE ONLY TEMPERATURE VARIATION).</p>	
		<p>DEEP SKY OBJECTS</p> <p>GALAXY (spiral/irregular)</p> <p>COMET (tail)</p> <p>BLACK HOLE (singularity)</p> <p>ASTEROID (rocky)</p>	

Number of Tiles : 28
Tile Size : 300x450 mm

Mural Size : 1800x2100 mm
Mural Name: SPACE

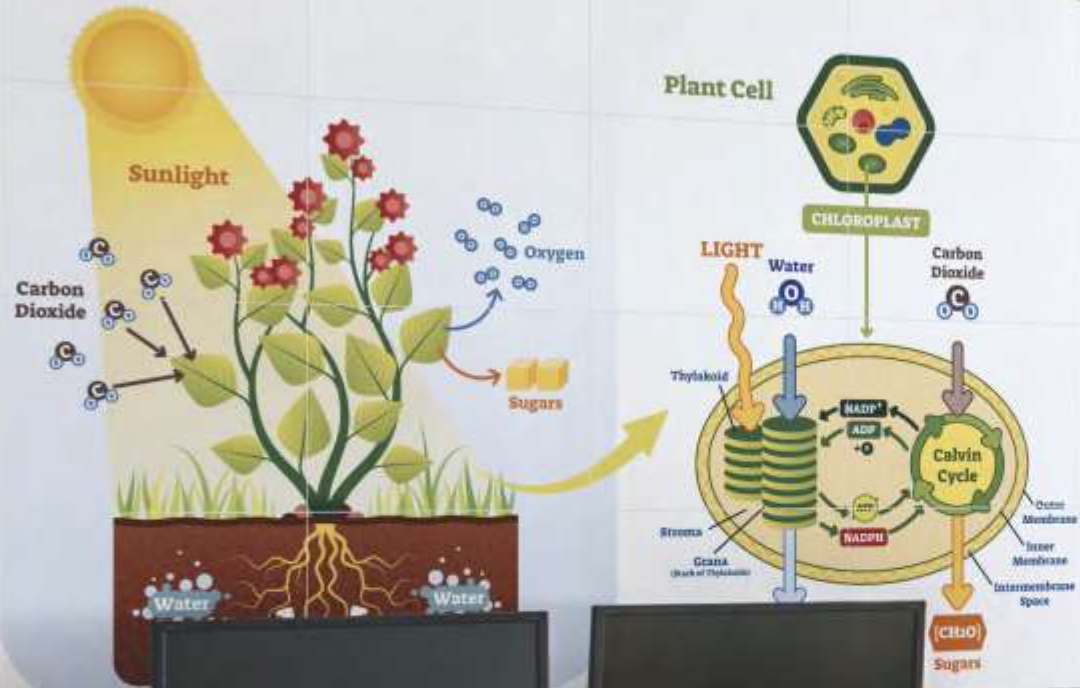


Number of Tiles : 24
Tile Size : 250x375 mm

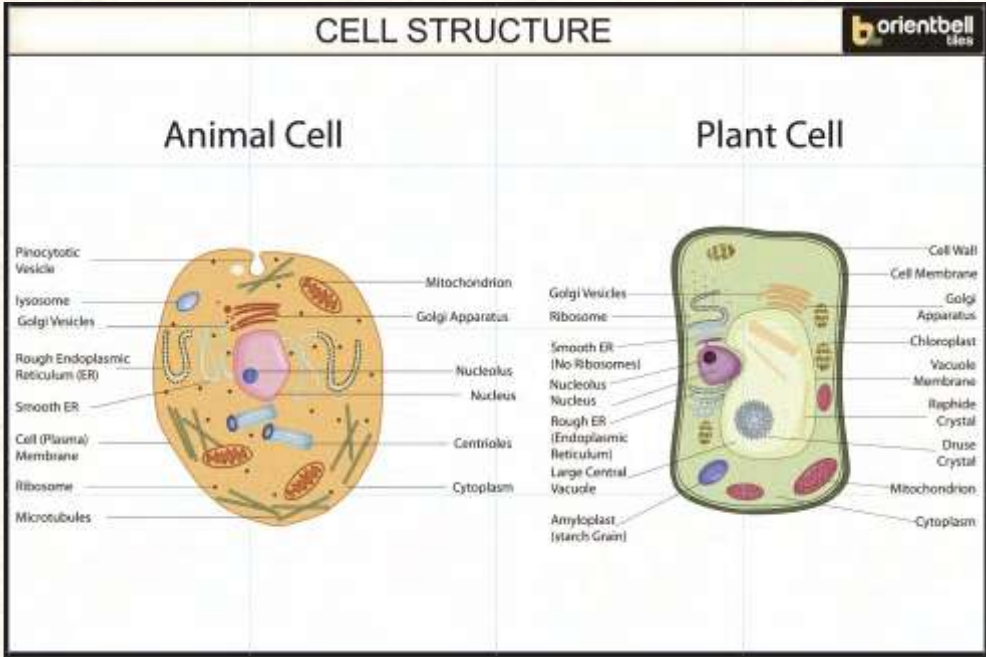
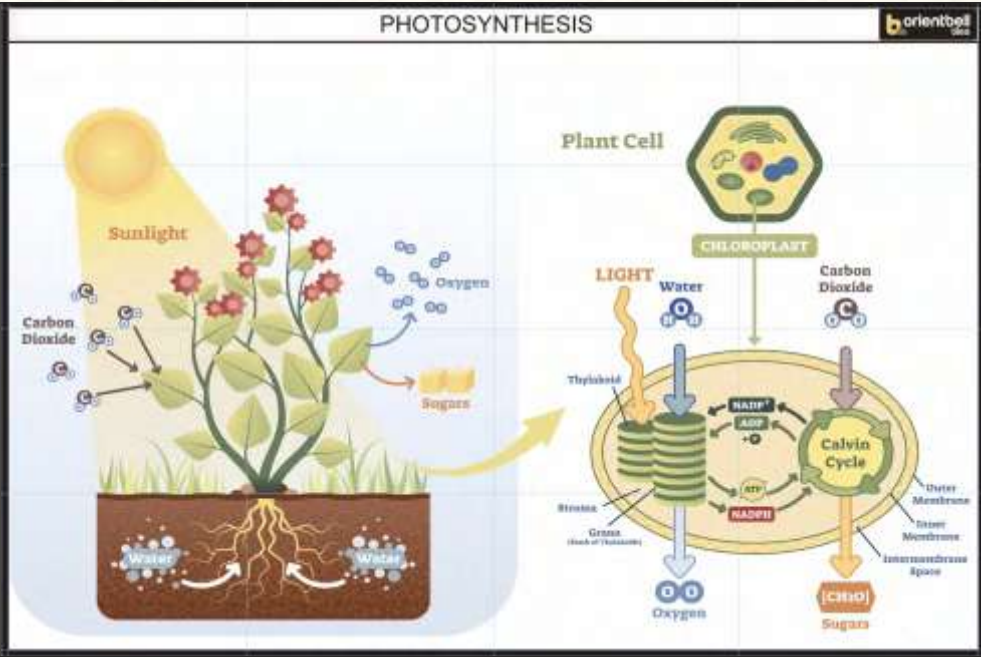
Mural Size : 1800x1800 mm
Mural Name: EARTH'S ATMOSPHERE

PHOTOSYNTHESIS

orientbel



Subconscious learning is the best way to embed a complicated diagram.

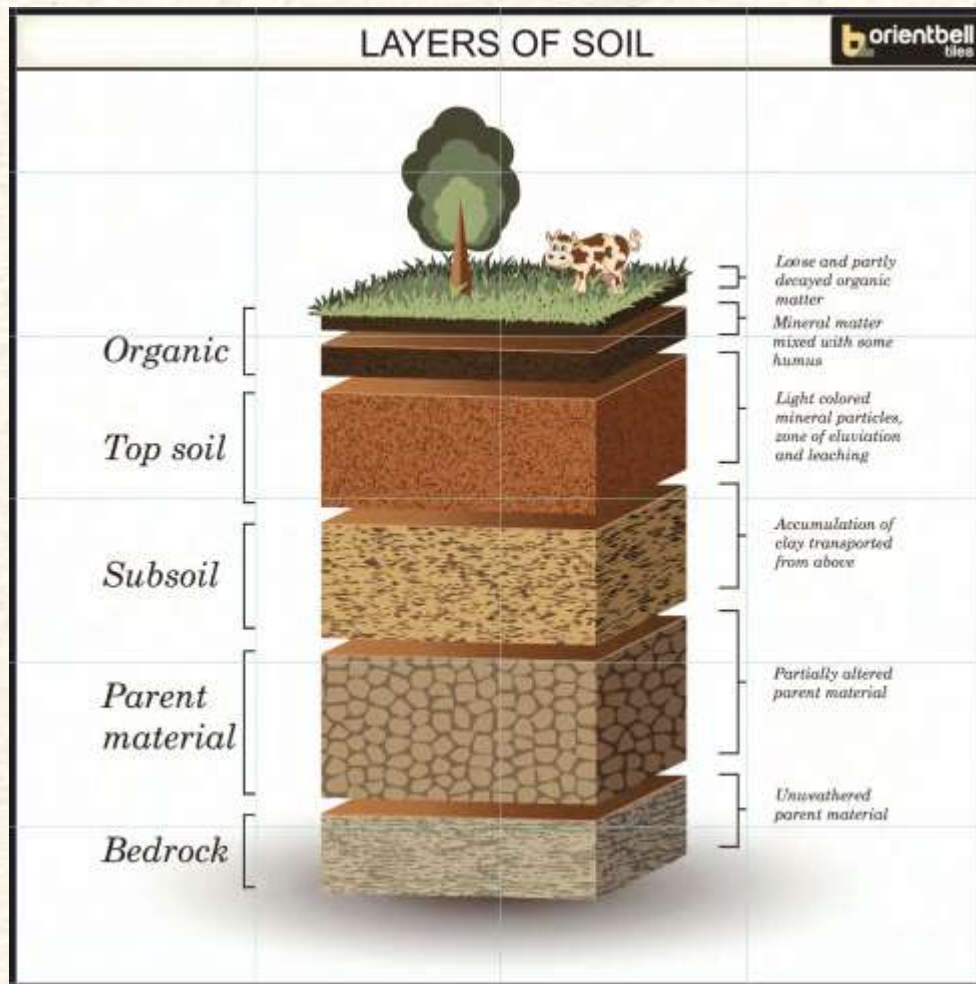


Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: PHOTOSYNTHESIS

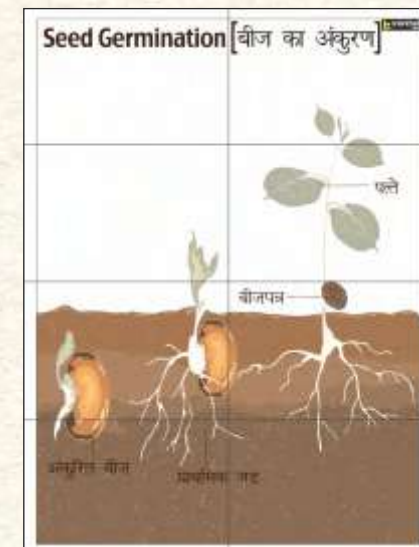
Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: CELL STRUCTURE

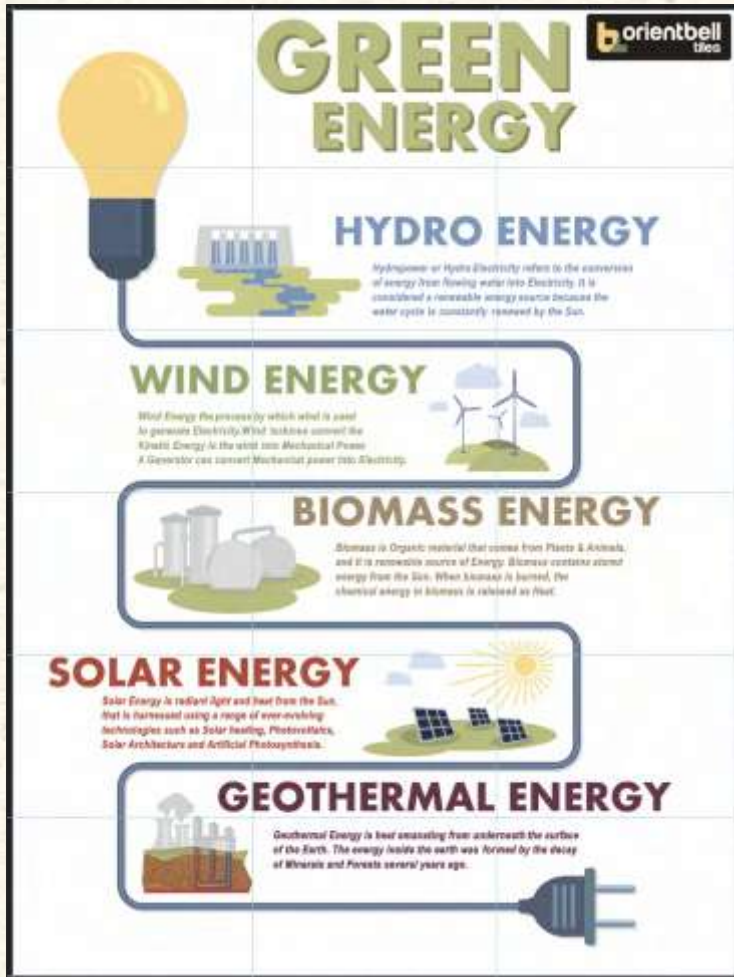


Number of Tiles : 24
Tile Size : 300x450 mm

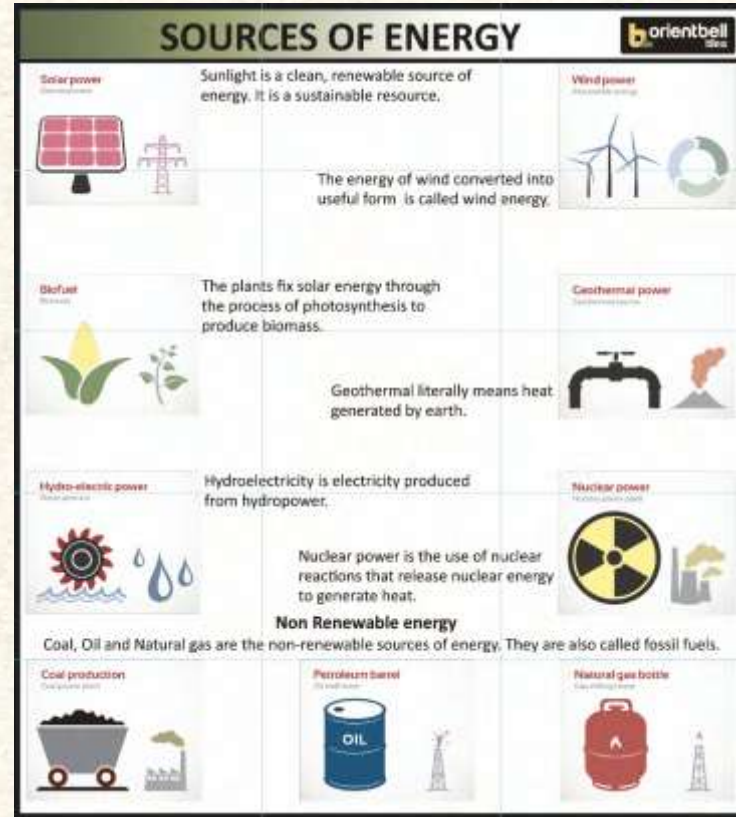
Mural Size : 1800x1800 mm
Mural Name: LAYERS OF SOIL



Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: SEED GERMINATION



Number of Tiles : 18
 Tile Size : 300x450 mm
 Mural Size : 1350x1800 mm
Mural Name: GREEN ENERGY



Number of Tiles : 15
 Tile Size : 300x450 mm
 Mural Size : 1350x1500 mm
Mural Name: SOURCES OF ENERGY





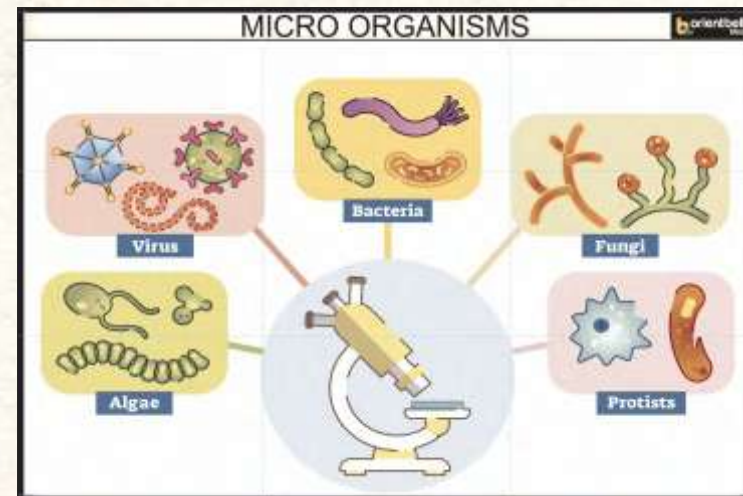
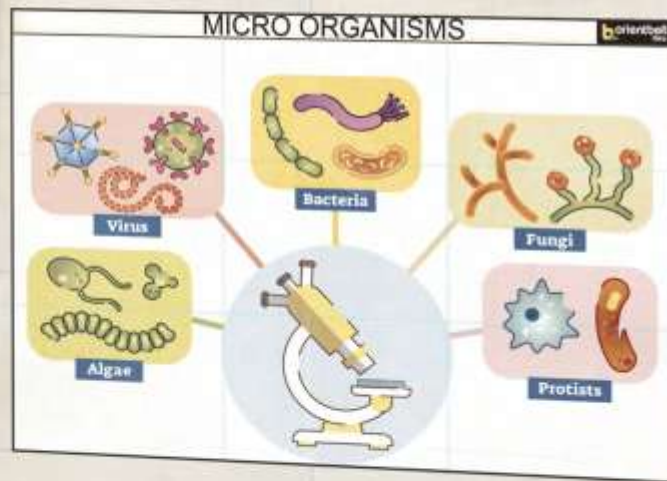
*Make your classrooms more interactive
and less cluttered by omitting paper charts!*

Number of Tiles : 15

Tile Size : 300x450 mm

Mural Size : 1350x1500 mm

Mural Name: ANIMAL BODY PARTS

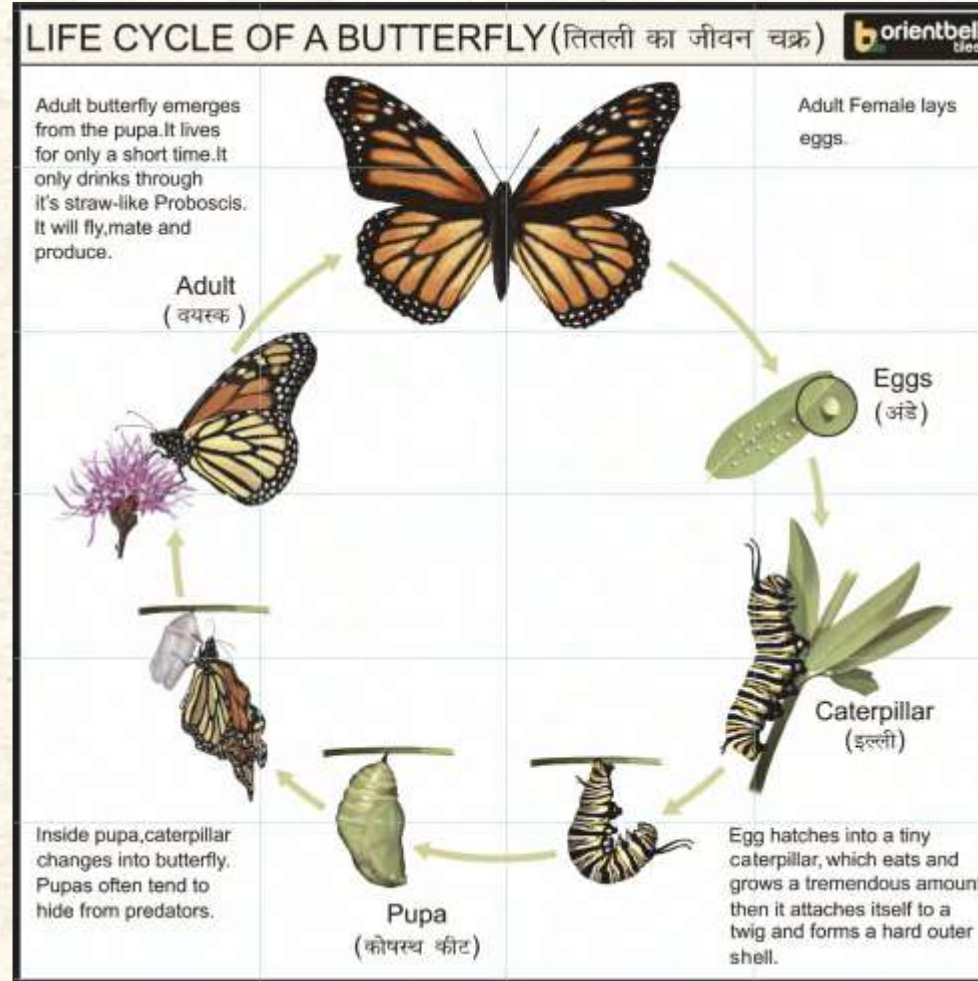


Number of Tiles : 9

Tile Size : 300x450 mm

Mural Size : 1350x900 mm

Mural Name: MICRO ORGANISMS



Number of Tiles : 24
Tile Size : 300x450 mm

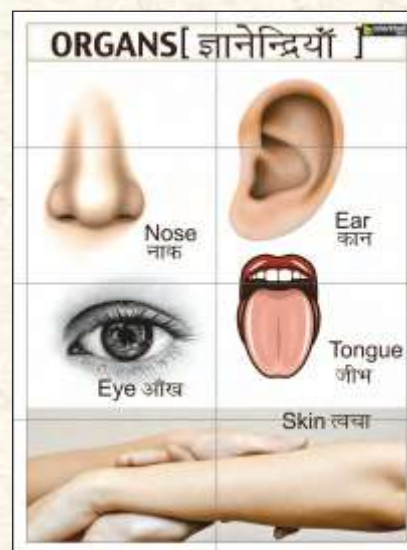
Mural Size : 1800x1800 mm
Mural Name: LIFE CYCLE OF A BUTTERFLY



Who thought school corridors can also teach students!



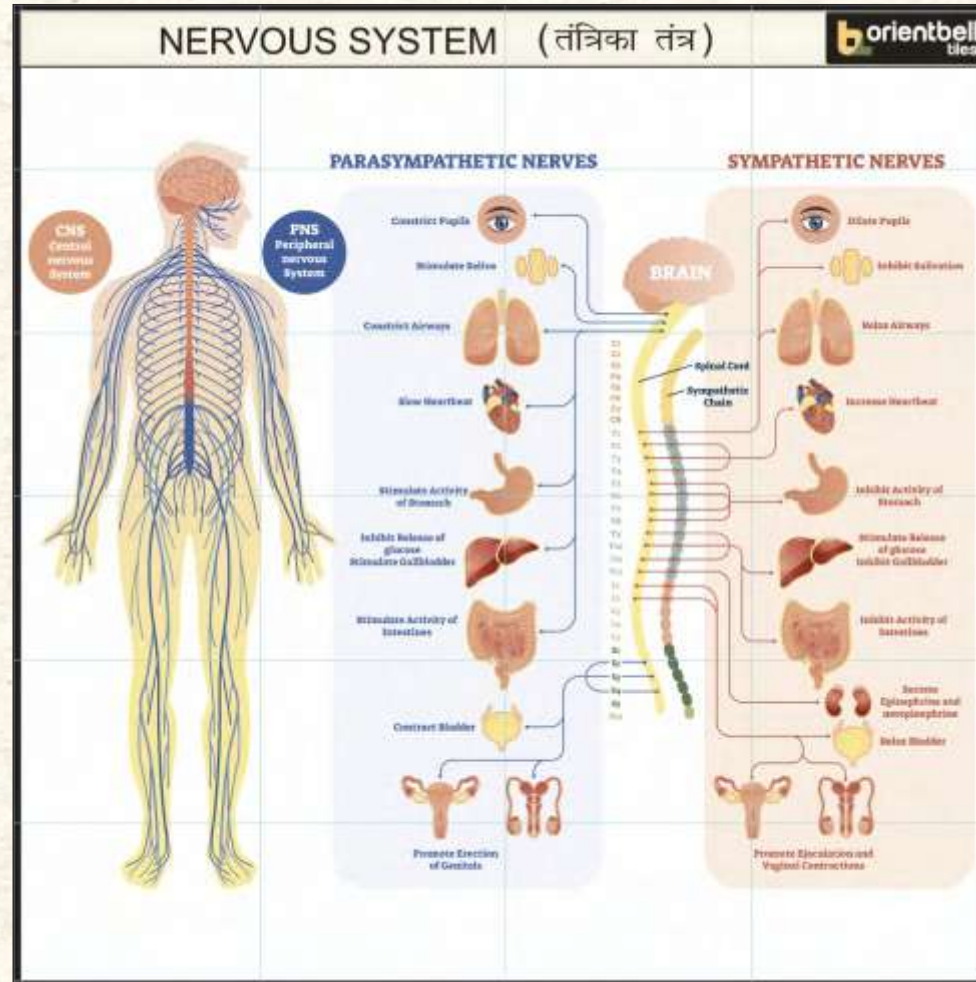
Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 750x1000 mm
 Mural Name: PARTS OF BODY



Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 750x1000 mm
 Mural Name: ORGANS

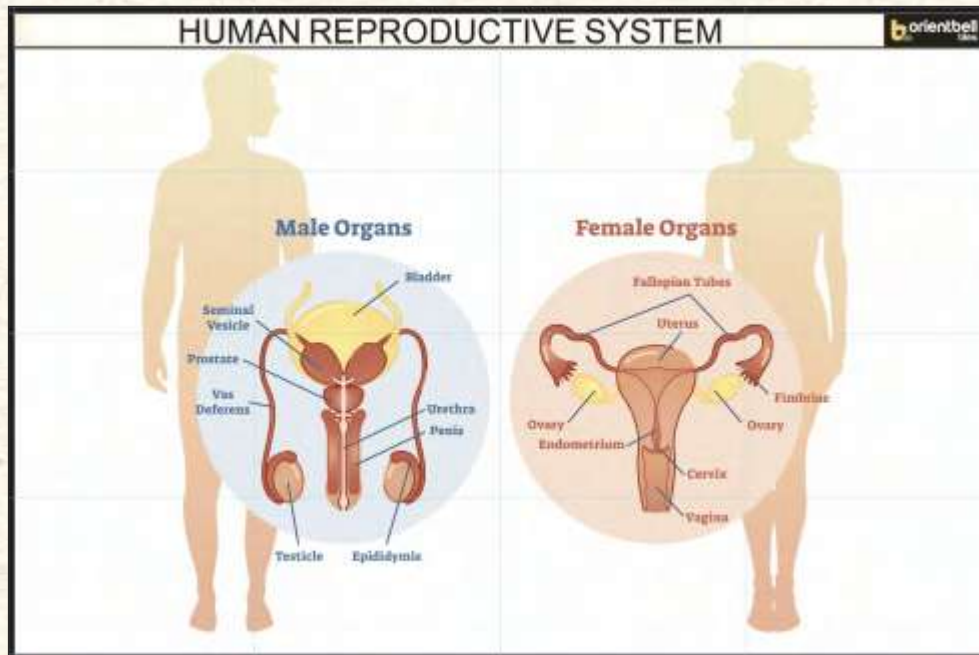


Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 750x1000 mm
 Mural Name: RESPIRATORY SYSTEM



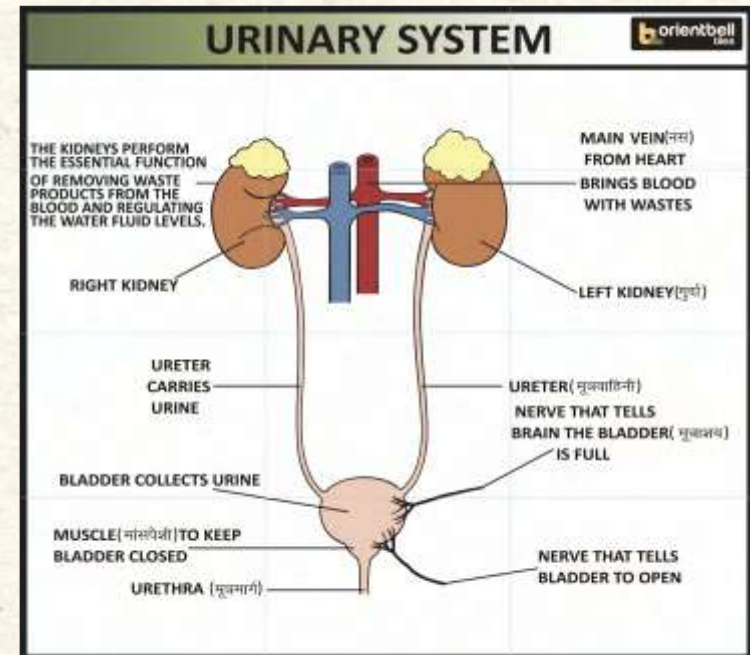
Number of Tiles : 24
 Tile Size : 300x450 mm

Mural Size : 1800x1800 mm
 Mural Name: NERVOUS SYSTEM



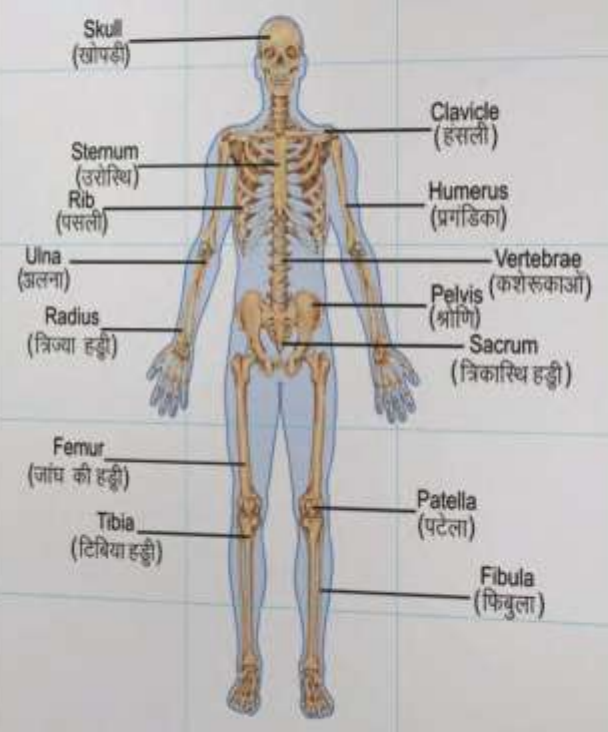
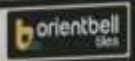
Number of Tiles : 16
Tile Size : 300x450 mm

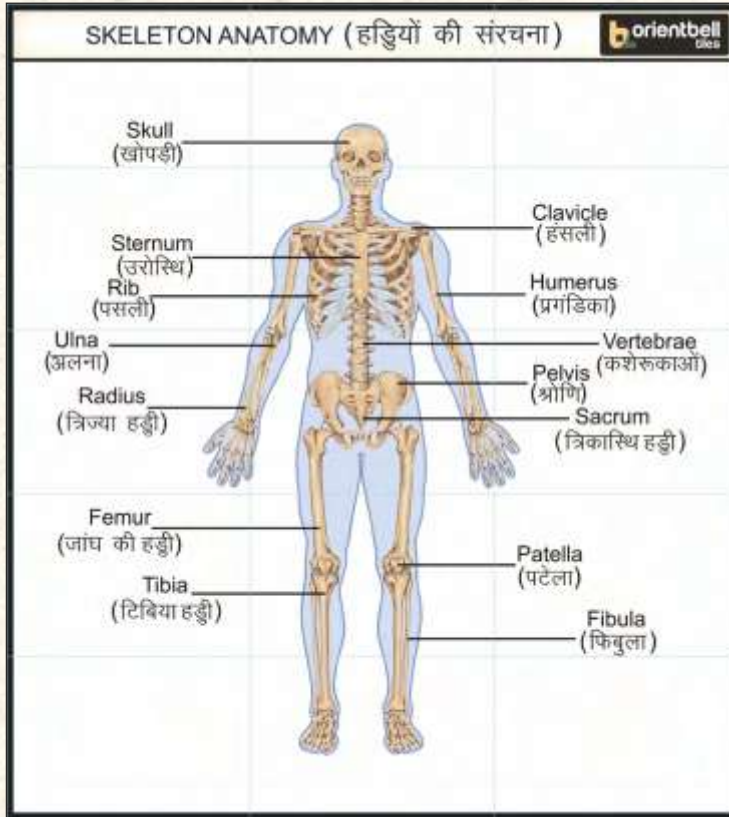
Mural Size : 1800x1200 mm
Mural Name: HUMAN REPRODUCTIVE SYSTEM



Number of Tiles : 12
Tile Size : 300x450 mm
Mural Size : 1350x1200 mm
Mural Name: URINARY SYSTEM

SKELETON ANATOMY (हड्डियों की संरचना)





Number of Tiles : 15

Tile Size : 300x450 mm

Mural Size : 1350x1500 mm

Mural Name: SKELETON ANATOMY

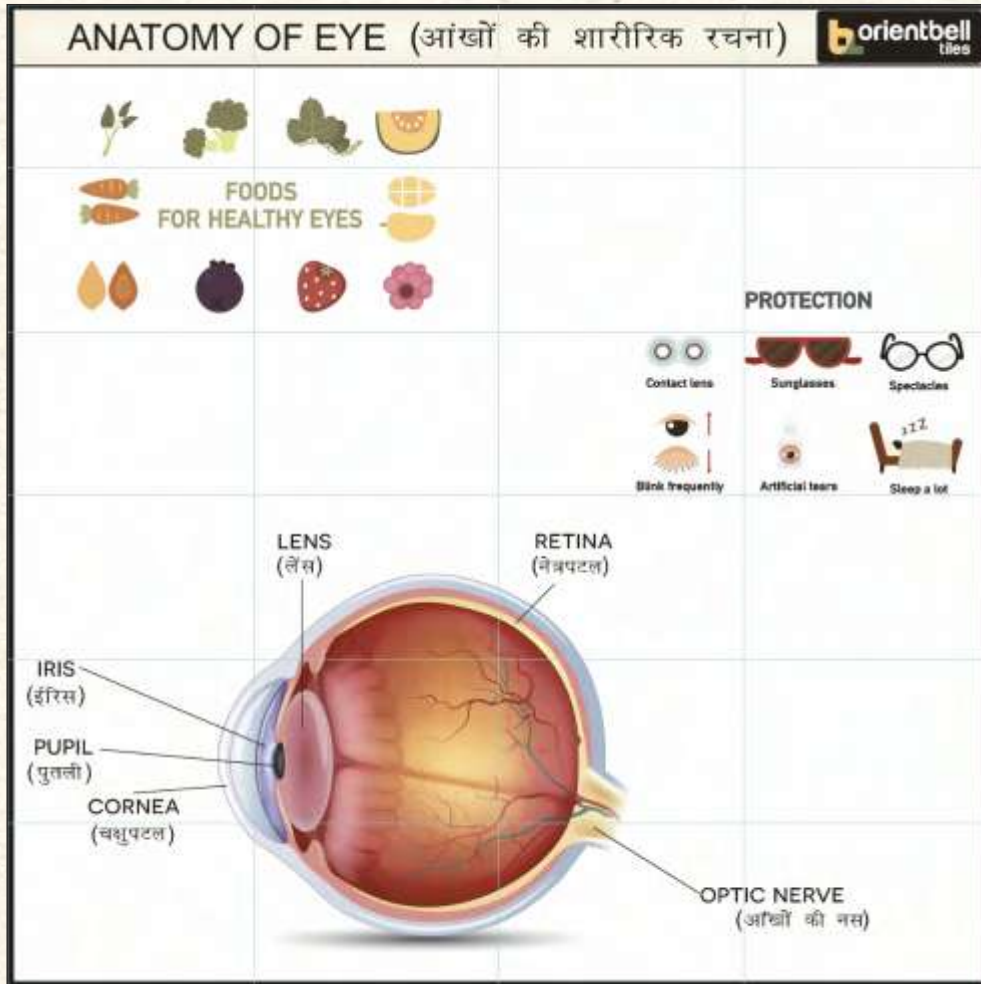


Number of Tiles : 12

Tile Size : 250x375 mm

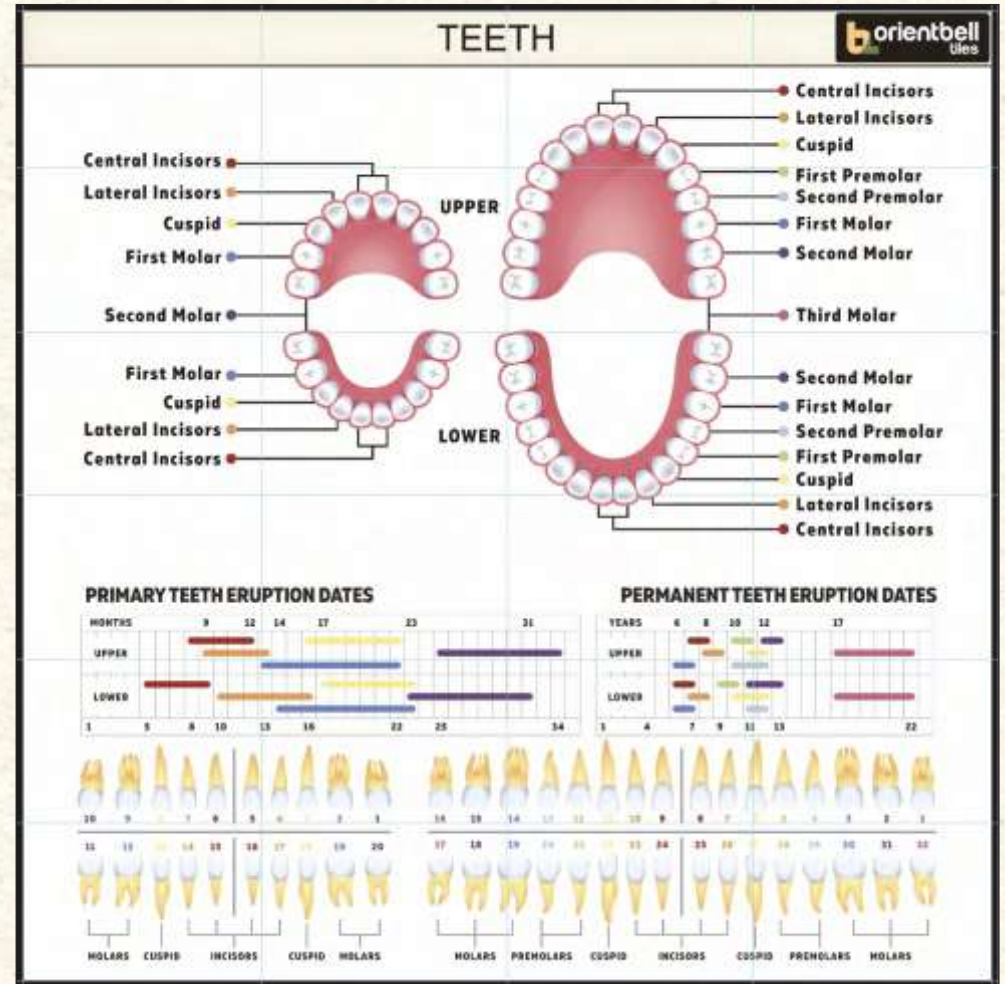
Mural Size : 1125x1000 mm

Mural Name: DIGESTIVE SYSTEM



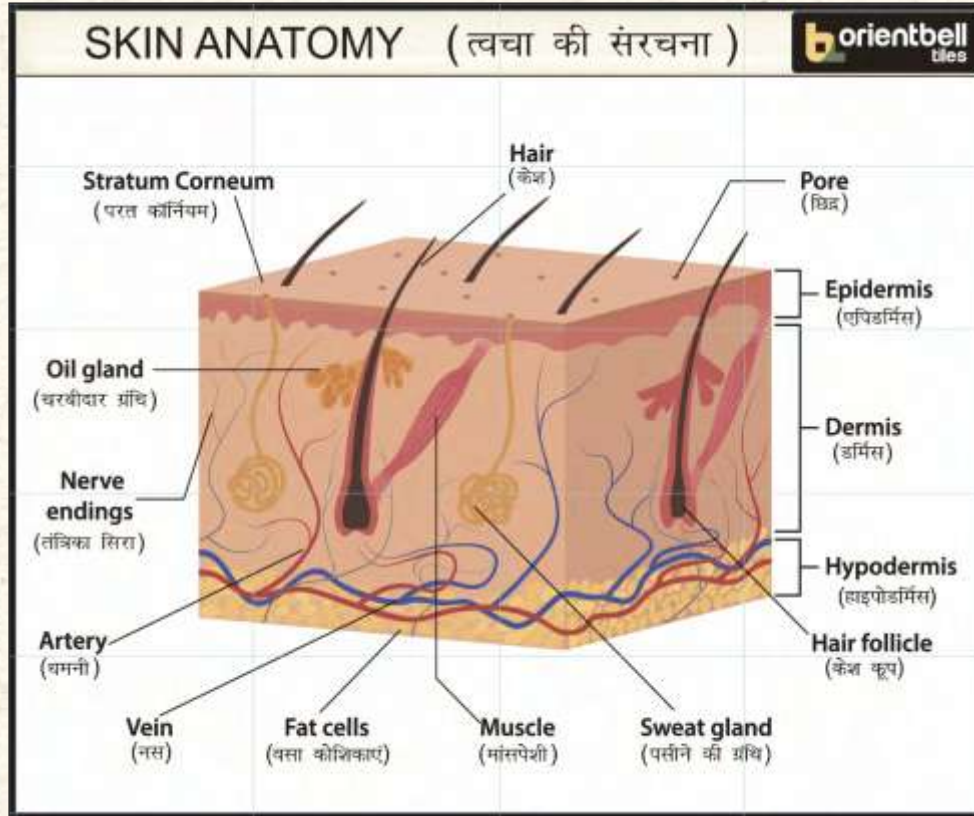
Number of Tiles : 24
 Tile Size : 300x450 mm

Mural Size : 1800x1800 mm
 Mural Name: ANATOMY OF EYE



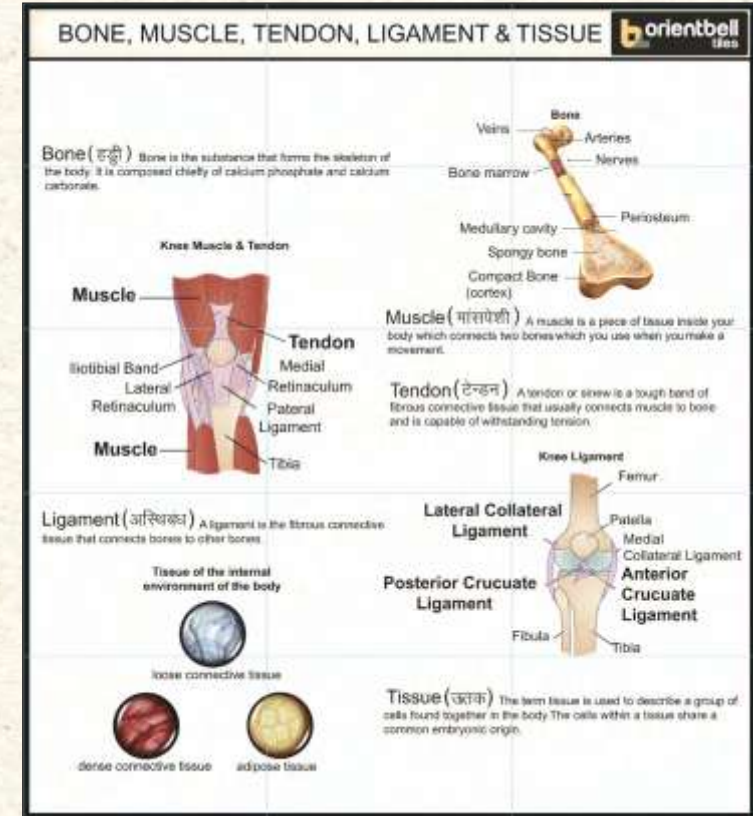
Number of Tiles : 24
 Tile Size : 300x450 mm

Mural Size : 1800x1800 mm
 Mural Name: TEETH



Number of Tiles : 20
Tile Size : 300x450 mm

Mural Size : 1800x1500 mm
Mural Name: SKIN ANATOMY

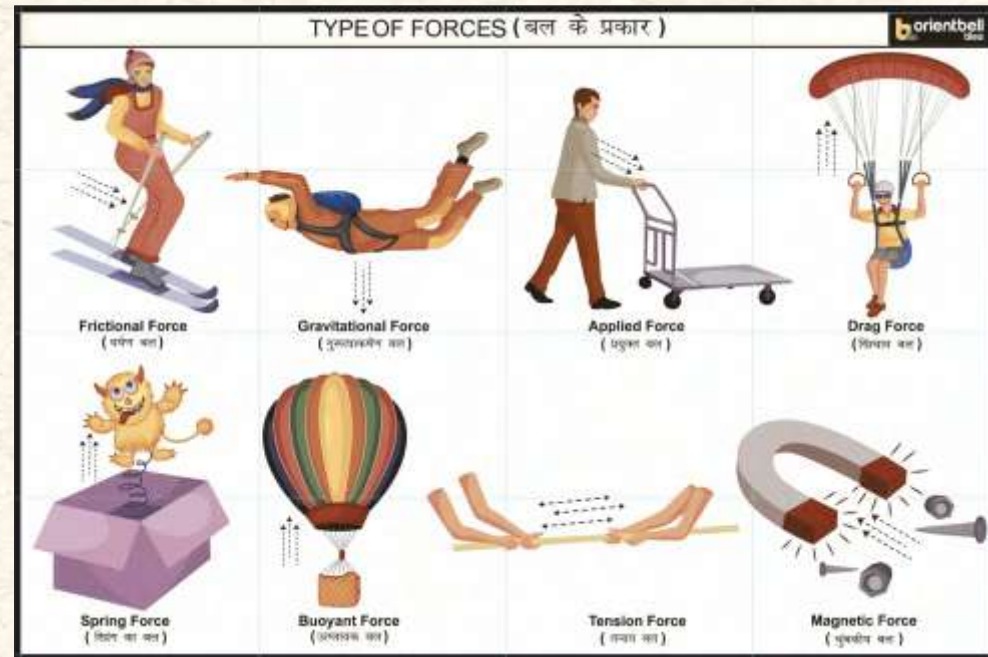


Number of Tiles : 15
Tile Size : 300x450 mm

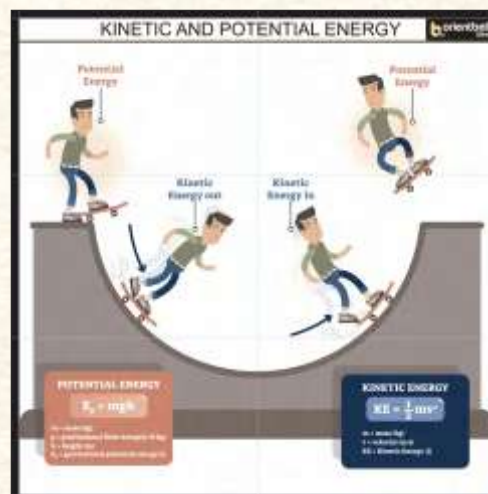
Mural Size : 1350x1500 mm
Mural Name: BONE, MUSCLE, TENDON, LIGAMENT & TISSUE



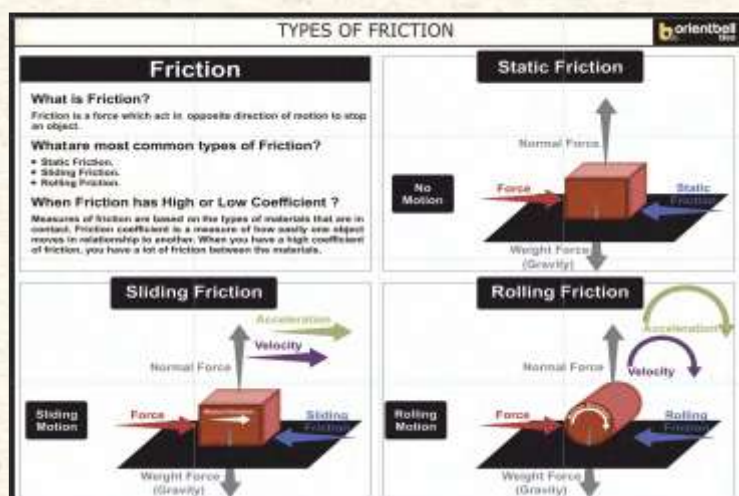
Number of Tiles : 18
 Tile Size : 300x450 mm
 Mural Size : 1350x1800 mm
Mural Name: NEWTON'S LAWS OF MOTION



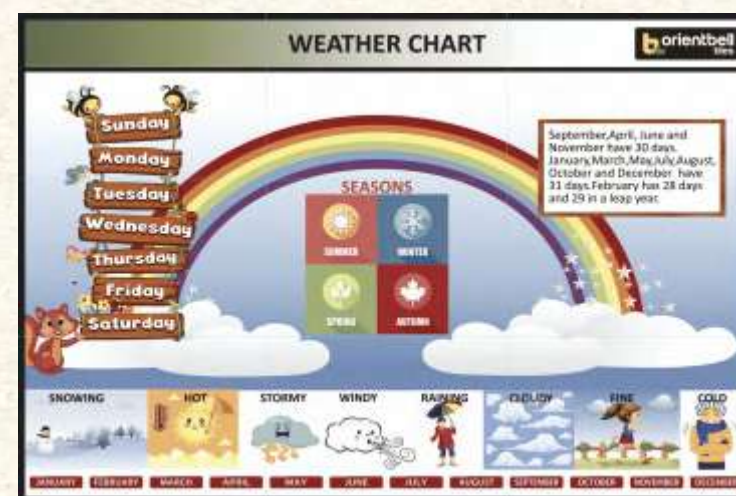
Number of Tiles : 16
 Tile Size : 300x450 mm
 Mural Size : 1800x1200 mm
Mural Name: TYPE OF FORCES



Number of Tiles : 6
 Tile Size : 300x450 mm
 Mural Size : 900x900 mm
 Mural Name: KINETIC & POTENTIAL ENERGY

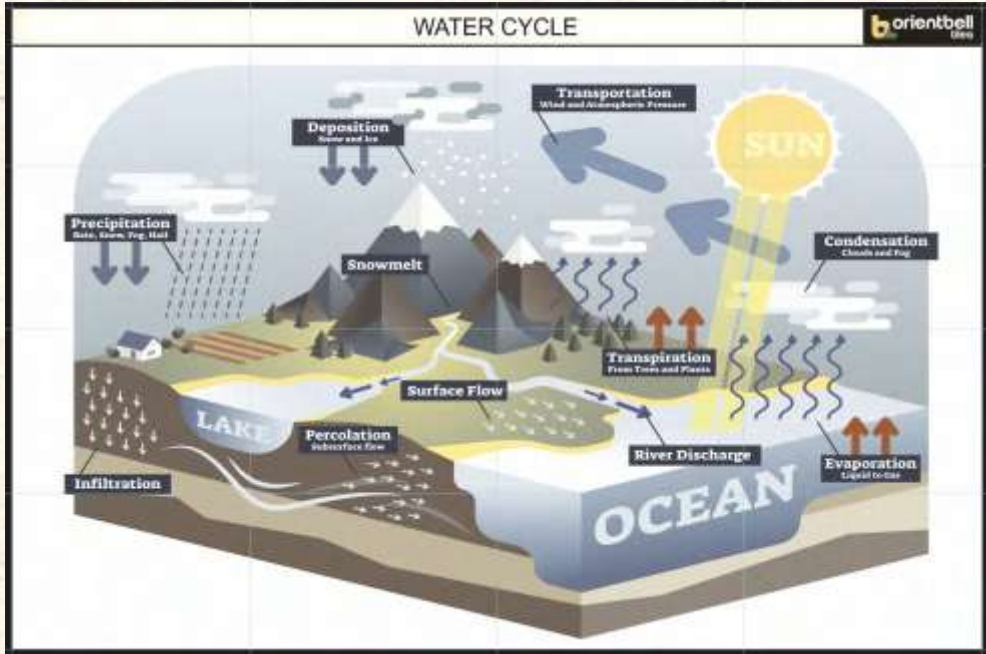


Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 900x1350 mm
 Mural Name: TYPES OF FRICTION



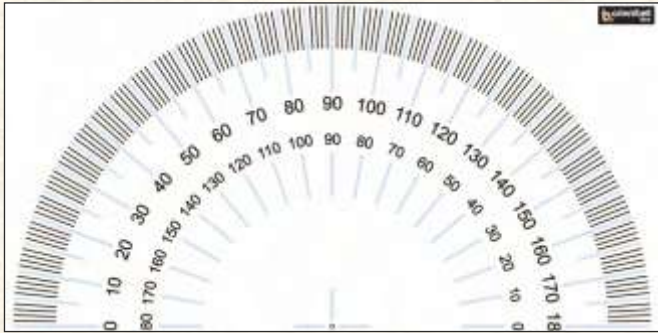
Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 900x1350 mm
 Mural Name: WEATHER CHART





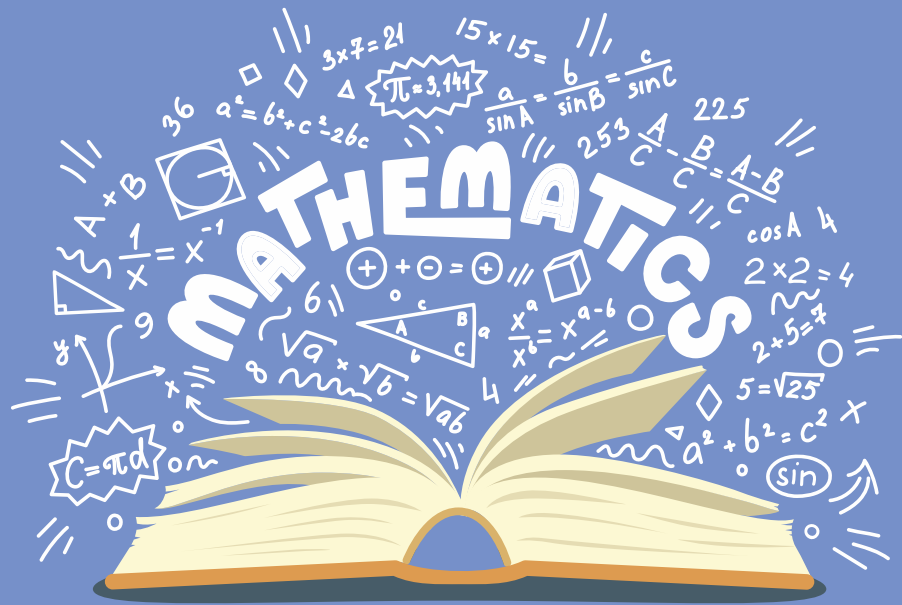
Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: WATER CYCLE



Number of Tiles : 1
Tile Size : 600x1200 mm
Mural Size : 600x1200 mm
Mural Name: ANGLES

The magic Maths Series.



Kids needn't fear Maths any more. We're making it all fun and friendly by showing kids how simple it all really is through our range of Magic Math Series. Be it simple addition or the complex theorems, fear nothing!

PYTHAGORAS' THEOREM

CIRCLE PROPERTIES

TRIGONOMETRY

SHAPES

ANGLE

MINUS MATHS

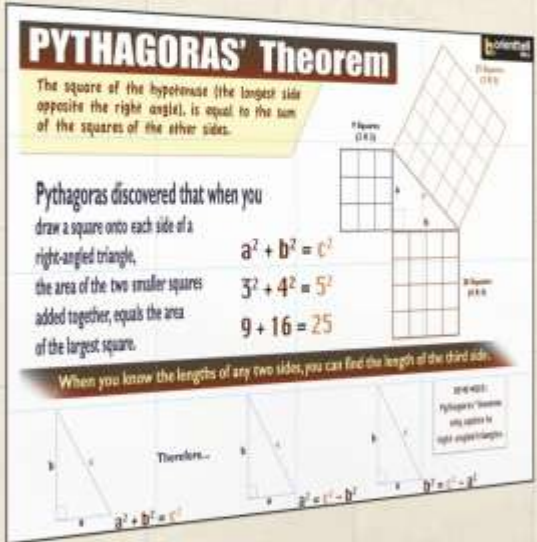
PLUS MATHS

ROMAN NUMERALS

TABLE 1

TABLE 2

*Why just focus on learning theorems?
Let's start to play with the concept applications!*



PYTHAGORAS' Theorem

The square of the hypotenuse (the longest side opposite the right angle), is equal to the sum of the squares of the other sides.

Pythagoras discovered that when you draw a square onto each side of a right-angled triangle, the area of the two smaller squares added together, equals the area of the largest square.

$a^2 + b^2 = c^2$
 $3^2 + 4^2 = 5^2$
 $9 + 16 = 25$

When you know the lengths of any two sides, you can find the length of the third side.

Pythagoras discovered that when you draw a square onto each side of a right-angled triangle, the area of the two smaller squares added together, equals the area of the largest square.

$a^2 + b^2 = c^2$
 $3^2 + 4^2 = 5^2$
 $9 + 16 = 25$

When you know the lengths of any two sides, you can find the length of the third side.

Therefore... $a^2 + b^2 = c^2$

$a^2 = c^2 - b^2$


$b^2 = c^2 - a^2$

REMEMBER:
Pythagoras' Theorem only applies to right-angled triangles.

Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: PYTHAGORAS' THEOREM

CIRCLE PROPERTIES (वृत्त के गुण)



CIRCUMFERENCE (परिधि)
The outer edge of a circle.

DIAMETER (व्यास)
The distance from edge to edge passing through the centre.

RADIUS (त्रिज्या)
The distance from the centre to the edge (half the diameter). The plural is Radii.

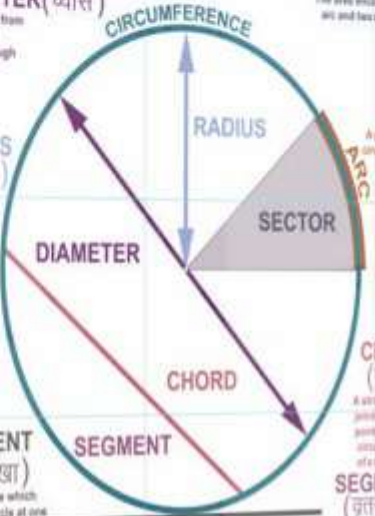
TANGENT (स्पर्शरेखा)
A straight line which touches a circle at one point only.

SECTOR (क्षेत्र)
The area enclosed by an arc and two radii.

ARC (चाप)
A part of the circumference.

CHORD (जोवा)
A straight line joining any two points on the circumference of a circle.

SEGMENT (खण्ड)
The area inside a circle enclosed by an arc and a chord.



There is a relationship between the circumference and diameter of any circle. This is denoted by the Greek letter π (pi):

$$\pi = \frac{\text{CIRCUMFERENCE}}{\text{DIAMETER}} = 3.142$$

The circumference of a circle can be calculated using the diameter or the radius:

CIRCUMFERENCE
 $= \pi \times \text{DIAMETER} \quad (C = \pi d)$

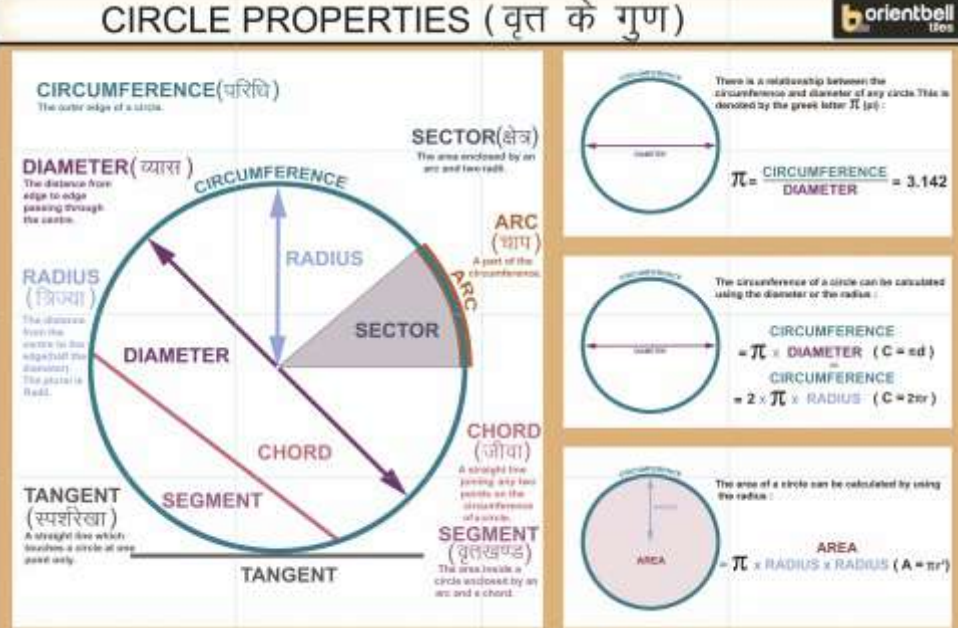
CIRCUMFERENCE
 $= 2 \times \pi \times \text{RADIUS} \quad (C = 2\pi r)$

The area of a circle can be calculated by the radius:

AREA
 $= \pi \times \text{RADIUS} \times \text{RADIUS}$

Constant Interaction makes every Complex Theorem simple.

CIRCLE PROPERTIES (वृत्त के गुण)



CIRCUMFERENCE (परिधि)
The outer edge of a circle.

DIAMETER (व्यास)
The distance from edge to edge passing through the centre.

RADIUS (त्रिज्या)
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SECTOR (क्षेत्र)
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ARC (चाप)
A part of the circumference.

CHORD (जोड़ा)
A straight line joining any two points on the circumference of a circle.

SEGMENT (वृत्तखण्ड)
The area inside a circle enclosed by an arc and a chord.

TANGENT (स्पर्शरेखा)
A straight line which touches a circle at one point only.

There is a relationship between the circumference and diameter of any circle. This is denoted by the Greek letter π (π):

$$\pi = \frac{\text{CIRCUMFERENCE}}{\text{DIAMETER}} = 3.142$$

The circumference of a circle can be calculated using the diameter or the radius:

$$\text{CIRCUMFERENCE} = \pi \times \text{DIAMETER} \quad (C = \pi d)$$

$$= 2 \times \pi \times \text{RADIUS} \quad (C = 2\pi r)$$

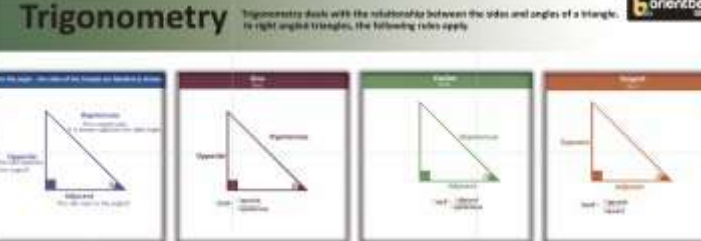
The area of a circle can be calculated by using the radius:

$$\text{AREA} = \pi \times \text{RADIUS} \times \text{RADIUS} \quad (A = \pi r^2)$$

Number of Tiles : 16
Tile Size : 300x450 mm

Mural Size : 1800x1200 mm
Mural Name: CIRCLE PROPERTIES

Trigonometry



An easy way to remember these rules is to use the phrase

SOH **CAH** **TOA**

Sin θ = opposite / hypotenuse Cos θ = adjacent / hypotenuse Tan θ = opposite / adjacent

The values of sine, cosine, and tangent for 0° , 30° , 45° , 60° , and 90° are shown below.

Angle	Sine	Cosine	Tangent
0°	0	1	0
30°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$
45°	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{2}}$	1
60°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$
90°	1	0	undefined

Number of Tiles : 9
Tile Size : 300x450 mm

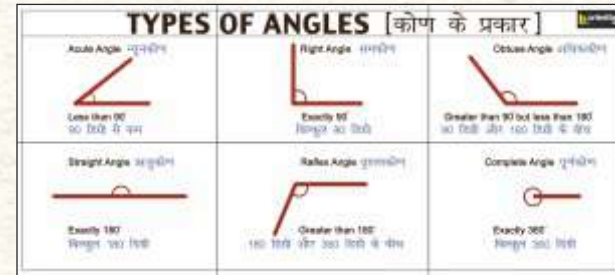
Mural Size : 1350x900 mm
Mural Name: TRIGONOMETRY

SQUARE  वर्ग	SHAPES आकृतियाँ	CIRCLE  वृत्त
HEXAGON  षट्कोण	TRIANGLE  त्रिभुज	RECTANGLE  आयत

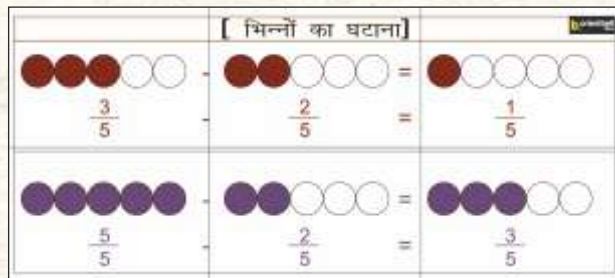




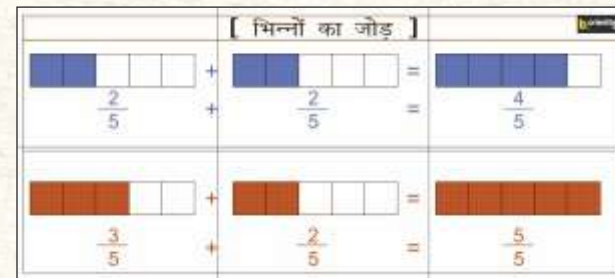
Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: SHAPES



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: ANGLE



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: MINUS MATHS



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: PLUS MATHS

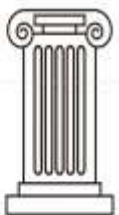
ROMAN NUMERALS

1 = I	10 = X	100 = C	1000 = M
2 = II	20 = XX	200 = CC	2000 = MM
3 = III	30 = XXX	300 = CCC	3000 = MMM
4 = IV	40 = XL	400 = CD	
5 = V	50 = L	500 = D	
6 = VI	60 = LX	600 = DC	
7 = VII	70 = LXX	700 = DCC	
8 = VIII	80 = LXXX	800 = DCCC	
9 = IX	90 = XC	900 = CM	



No more confusions, just simple maths on wall!

ROMAN NUMERALS			
1 = I	10 = X	100 = C	1000 = M
2 = II	20 = XX	200 = CC	2000 = MM
3 = III	30 = XXX	300 = CCC	3000 = MMM
4 = IV	40 = XL	400 = CD	
5 = V	50 = L	500 = D	
6 = VI	60 = LX	600 = DC	
7 = VII	70 = LXX	700 = DCC	
8 = VIII	80 = LXXX	800 = DCCC	
9 = IX	90 = XC	900 = CM	



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: ROMAN NUMERALS

1 से 10 तक पहाड़ा									
1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 750x1000 mm
Mural Name: TABLE 1

11 से 20 तक पहाड़ा									
11	12	13	14	15	16	17	18	19	20
22	24	26	28	30	32	34	36	38	40
33	36	39	42	45	48	51	54	57	60
44	48	52	56	60	64	68	72	76	80
55	60	65	70	75	80	85	90	95	100
66	72	78	84	90	96	102	108	114	120
77	84	91	98	105	112	119	126	133	140
88	96	104	112	120	128	136	144	152	160
99	108	117	126	135	144	153	162	171	180
110	120	130	140	150	160	170	180	190	200

Number of Tiles : 12
 Tile Size : 250x375 mm
 Mural Size : 1125x1000 mm
Mural Name: TABLE 2

Tenses (काल)	
Present Tense वर्तमान काल	Past Tense भूत काल
DO	DID
GO	WENT
SEE	SAW
COME	CAME
MAKE	MADE
BUY	BOUGHT
BROKE	BROKE
CATCH	CAUGHT
DRINK	DRANK

Tenses (काल)	
Present Tense वर्तमान काल	Past Tense भूत काल
DO	DID
GO	WENT
SEE	SAW
COME	CAME
MAKE	MADE
BUY	BOUGHT
BROKE	BROKE
CATCH	CAUGHT
DRINK	DRANK

Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: TENSES

OPPOSITE WORDS [विलोम शब्द]

 Tall	 Cold	 Fat	 Thin
 Short	 Hot		
 Happy	 Day	 Hard	
 Sad	 Night		



एकवचन	बहुवचन	एकवचन	बहुवचन
 बच्चा	 बच्चे	 गाड़ी	 गाड़ियाँ
 पुस्तक	 पुस्तकें	 चाबी	 चाबियाँ

Number of Tiles : 6

Tile Size : 250x375 mm

Mural Size : 1125x500 mm

Mural Name: HINDI SINGULAR & PLURAL

पुल्लिंग	स्त्रीलिंग	पुल्लिंग	स्त्रीलिंग
 राजा	 रानी	 मुर्गा	 मुर्गी
 भाई	 बहन	 आदमी	 औरत

Number of Tiles : 6

Tile Size : 250x375 mm

Mural Size : 1125x500 mm

Mural Name: HINDI GENDERS

OPPOSITE WORDS [विलोम शब्द]			
 Tall	 Cold	 Fat	 Thin
 Short	 Hot		
 Happy	 Day	 Hard	
 Sad	 Night	 Soft	

Number of Tiles : 12

Tile Size : 250x375 mm

Mural Size : 1000x1125 mm

Mural Name: OPPOSITE WORDS

 PLAYING खेलना	 SHARING हिस्सा बांटना	 EATING खाना
 BRUSHING दंत साफ करना	 DANCING नाचना	 CLEANING सफाई करना

Number of Tiles : 6

Tile Size : 250x375 mm

Mural Size : 1125x500 mm

Mural Name: ACTIONS (VERBS)

Types of Nouns		
Common Noun		Proper Noun
Country		India
City		Delhi
Car		Maruti
Festival		Baisakhi
Planet		Saturn
Month		January
Building		Red Fort

Genders	
Masculine	Feminine
Cook 	Hen 
Bull 	Cow 
Dog 	Bitch 
Prince 	Princess 

Types of Nouns		
Common Noun		Proper Noun
Country		India
City		Delhi
Car		Maruti
Festival		Baisakhi
Planet		Saturn
Month		January
Building		Red Fort

Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: TYPES OF NOUN

Genders	
Masculine	Feminine
Cock 	Hen 
Bull 	Cow 
Dog 	Bitch 
Prince 	Princess 

Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: GENDERS

Week	सप्ताह
MONDAY	सोमवार
TUESDAY	मंगलवार
WEDNESDAY	बुधवार
THURSDAY	बृहस्पतिवार
FRIDAY	शुक्रवार
SATURDAY	शनिवार
SUNDAY	रविवार

Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: DAYS OF WEEK



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: FRUITS



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
 Mural Name: THREE LETTER WORDS



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
Mural Name: VEGETABLES







Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
Mural Name: BIRDS



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
Mural Name: FLOWERS



Number of Tiles : 6
 Tile Size : 250x375 mm
 Mural Size : 1125x500 mm
Mural Name: ANIMALS

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 750x1000 mm
 Mural Name: 1 TO 10

1 से 100 तक गिनती									
1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

Number of Tiles : 8
 Tile Size : 250x375 mm
 Mural Size : 1000x750 mm
 Mural Name: 1 TO 100



Number of Tiles : 45

Tile Size : 250x375 mm

Mural Size : 1250x3375 mm

Mural Name: HINDI ALPHABETS



Number of Tiles : 26

Tile Size : 250x375 mm

Mural Size : 1000x2625 mm

Mural Name: ENGLISH ALPHABETS

Month		महीना
JANUARY		जनवरी
FEBRUARY		फरवरी
MARCH		मार्च
APRIL		अप्रैल
MAY		मई
JUNE		जून
JULY		जुलाई
AUGUST		अगस्त
SEPTEMBER		सितम्बर
OCTOBER		अक्टूबर
NOVEMBER		नवम्बर
DECEMBER		दिसम्बर



Month		महीना
JANUARY		जनवरी
FEBRUARY		फरवरी
MARCH		मार्च
APRIL		अप्रैल
MAY		मई
JUNE		जून
JULY		जुलाई
AUGUST		अगस्त
SEPTEMBER		सितम्बर
OCTOBER		अक्टूबर
NOVEMBER		नवम्बर
DECEMBER		दिसम्बर

Number of Tiles : 12

Tile Size : 250x375 mm

Mural Size : 1125x1000 mm

Mural Name: MONTHS

	
Baa Baa black sheep Have you any wool? Yes sir,yes sir, 3 bags full.	One for the master, One for the dame, And one for the little boy, Who lives down the lane.

Number of Tiles : 12

Tile Size : 250x375 mm

Mural Size : 1125x1000 mm

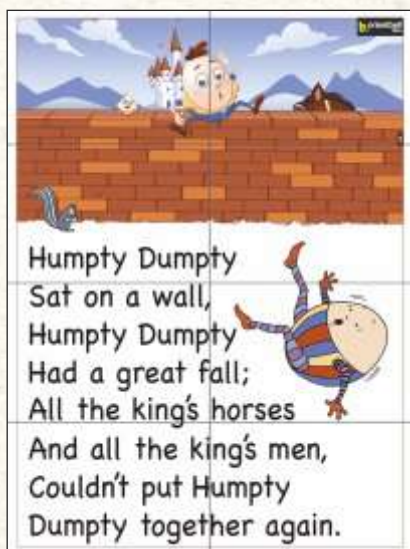
Mural Name: *EP SHEEP



Johnny Johnny! Yes, Papa
Eating sugar? No, papa
Telling a lie? No, Papa
Open your mouth.
Ha! Ha!! Ha!!!



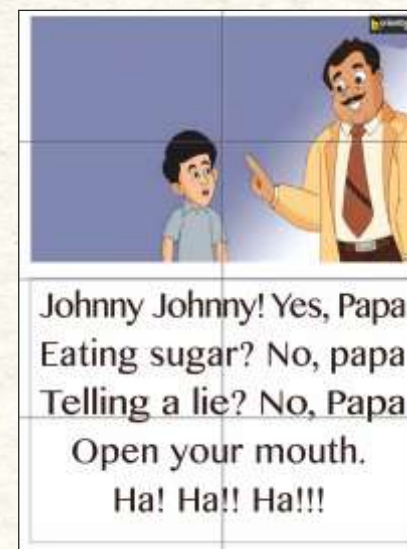
Twinkle, twinkle, little star,
How I wonder what you are
Up above the world so high
Like a diamond in the sky



Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: *EP HUMPTY



Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: *EP TWINKLE



Number of Tiles : 8
Tile Size : 250x375 mm
Mural Size : 750x1000 mm
Mural Name: *EP JOHNNY



Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: *EP JACK



Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: *EP ONE



Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: *HP SUN



Number of Tiles : 8

Tile Size : 250x375 mm

Mural Size : 750x1000 mm

Mural Name: *HP FISH

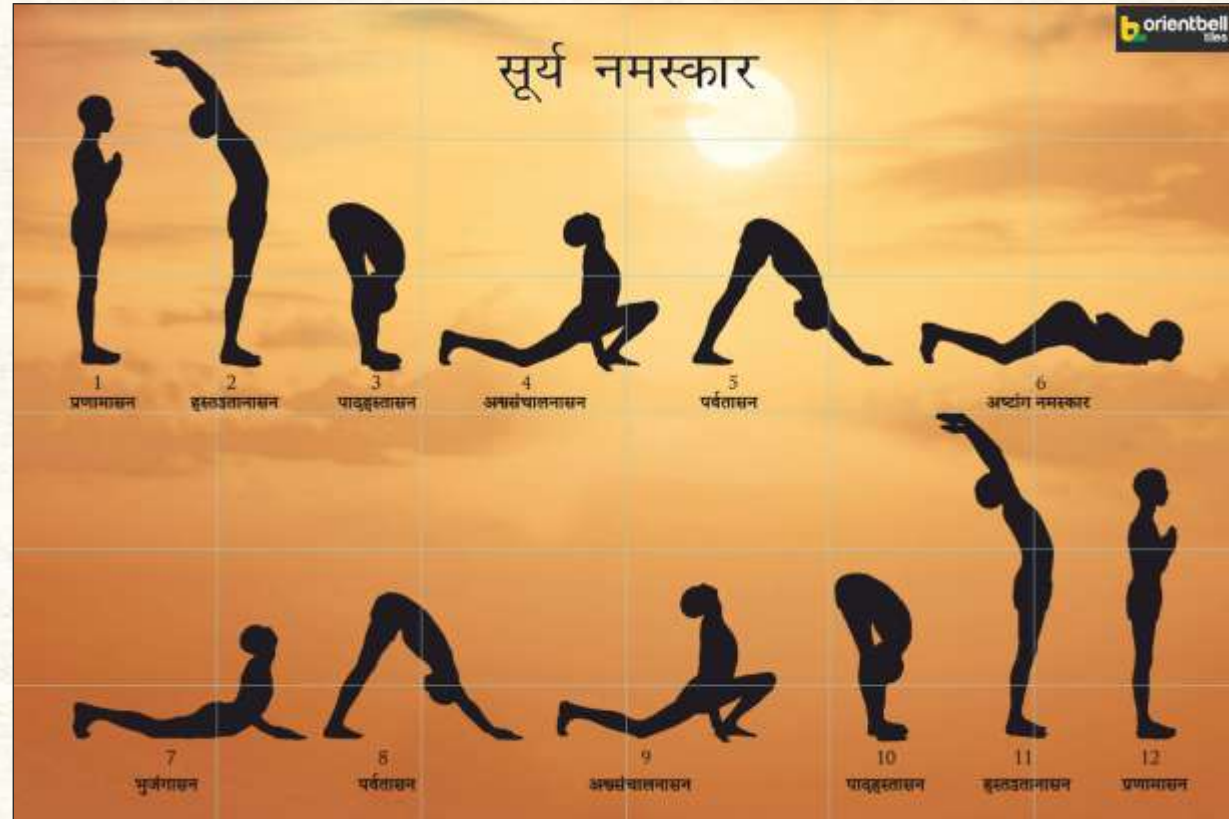


Number of Tiles : 36
Tile Size : 250x375 mm

Mural Size : 2250x1500 mm
Mural Name: SWING

SURYA NAMASKAR





Number of Tiles : 36
Tile Size : 250x375 mm

Mural Size : 2250x1500 mm
Mural Name: SURYA NAMASKAR





Number of Tiles : 30
Tile Size : 250x375 mm

Mural Size : 1875x1500 mm
Mural Name: BASKETBALL



Number of Tiles : 12
Tile Size : 250x375 mm

Mural Size : 1125x1000
Mural Name: SLIDE



Number of Tiles : 20
Tile Size : 250x375 mm

Mural Size : 1875x1000 mm
Mural Name: PLAY AREA



Number of Tiles : 20
Tile Size : 250x375 mm

Mural Size : 1875x1000 mm
Mural Name: PLAYGROUND



Number of Tiles : 16
Tile Size : 250x375 mm

Mural Size : 1500x1000mm
Mural Name: DOUBLE SWING



Number of Tiles : 36
Tile Size : 250x375 mm

Mural Size : 1500x2250 mm
Mural Name: SLIDERS



Number of Tiles : 18
Tile Size : 250x375 mm
Mural Size : 1500x1125 mm
Mural Name: NUMBER JUMPS





Number of Tiles : 36
Tile Size : 250x375 mm

Mural Size : 2250x1500 mm
Mural Name: RAINBOW

पीने का पानी

हाथ धोने का पानी

पीने का पानी

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: DRINKING WATER

हाथ धोने का पानी

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: HAND WASH

हम सबने यह ठाना है,
भारत स्वच्छ बनाना है।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: PLEDGE

शौचालय का करें प्रयोग
तभी रहेंगे सभी निरोग।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: CLEANLINESS

घर-घर विद्या दीप जलाओ
अपने बच्चे सभी पढ़ाओ।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: EDUCATION

परिश्रम ही सफलता की कुंजी है।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: KEEP TRYING

लड़का लड़की एक समान
दोनों को दो विद्या का दान।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: GENDER EQUALITY

आलस्य मनुष्य का सबसे बड़ा शत्रु है।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: LAZINESS

पढ़ी लिखी लड़की रोशनी है घर की।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: GIRL CHILD

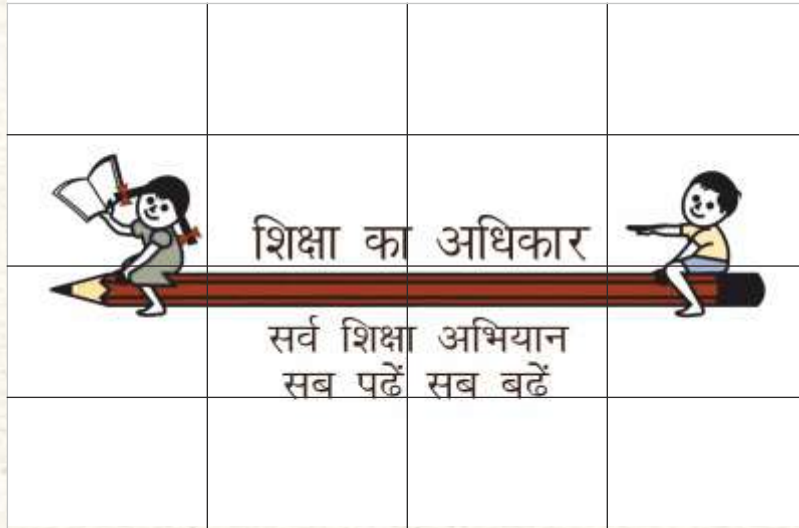
अनपढ़ रहने की नादानी
हर मोड़ पर है परेशानी।

Number of Tiles : 3

Tile Size : 250x375 mm

Mural Size : 1125x250 mm

Mural Name: POWER OF EDUCATION



Number of Tiles : 16
Tile Size : 250x375 mm

Mural Size : 1500x1000 mm
Mural Name: RIGHT TO EDUCATION



Number of Tiles : 6
Tile Size : 250x375 mm
Mural Size : 750x750 mm
Mural Name: COOK RULES



Number of Tiles : 18
Tile Size : 250x375 mm
Mural Size : 1125x1500 mm
Mural Name: CHILD RIGHTS



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: BE THE CHANGE



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: WILL DO IT



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: BE A LEADER



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: BRAHMAND



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: SKILLS FOR TOOLS



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: REAL WORKER



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: GOOD BOOK



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: TEMPORARY COMFORT



Number of Tiles : 9

Tile Size : 300x450 mm

Mural Size : 1350x900 mm

Mural Name: MENTAL DEVELOPMENT



Number of Tiles : 9

Tile Size : 300x450 mm

Mural Size : 1350x900 mm

Mural Name: EXPERT WAS BEGINNER

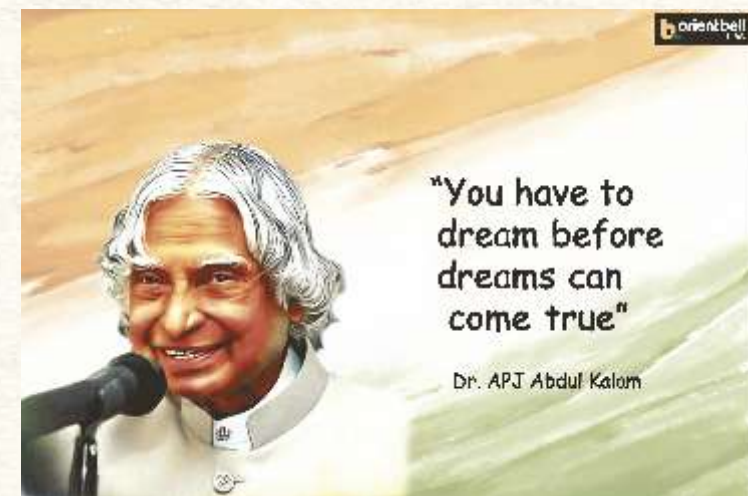


Number of Tiles : 9

Tile Size : 300x450 mm

Mural Size : 1350x900 mm

Mural Name: TAKE THE JUMP



Number of Tiles : 9

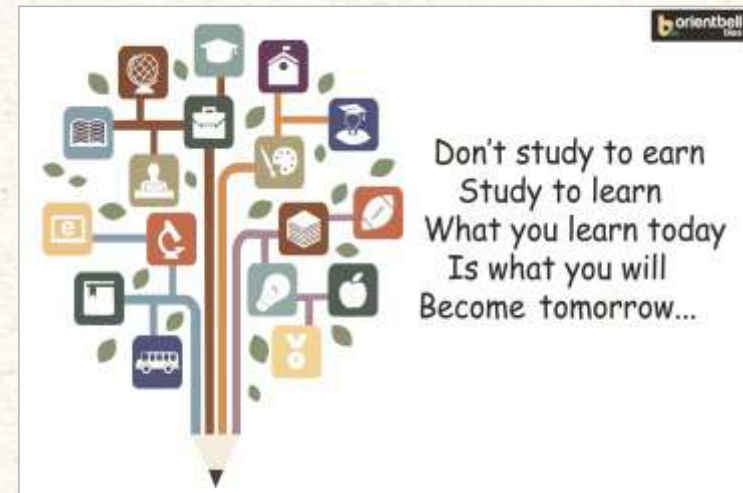
Tile Size : 300x450 mm

Mural Size : 1350x900 mm

Mural Name: APJ ABDUL KALAM



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: MAGIC IN BOOKS



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: STUDY TO LEARN



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: BE A GOOD BOY



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: BEGIN NOW



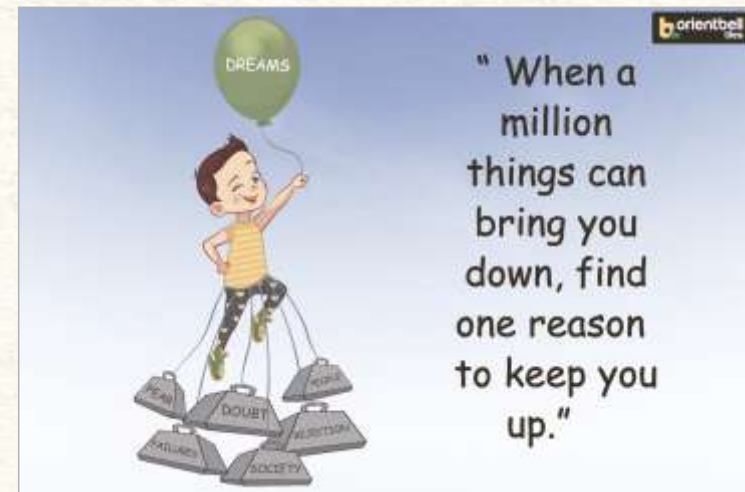
Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: VALUABLE THINGS



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: NELSON MANDELA



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: SUCCESSFUL PEOPLE



Number of Tiles : 9
 Tile Size : 300x450 mm
 Mural Size : 1350x900 mm
Mural Name: INSPIRING DREAMS



Number of Tiles : 2
Tile Size : 300x450 mm
Mural Size : 300x900 mm
Mural Name: LONGITUDE



Number of Tiles : 2
Tile Size : 300x450 mm
Mural Size : 900x300 mm
Mural Name: LATITUDE

TECHNICAL SPECIFICATIONS

Ceramic Wall Tiles

Packing Details			
Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton	
		(In Sq. Mtr.)	(In Sq. Ft.)
300X600	6	1.08	11.63
300X450	6	0.81	8.716
250X375	8	0.75	8.07

(E > 10 % Group B III) as per IS 15622:2017				
Characteristics	Standard Test Method	IS 15622:2017 E > 10 % (Group B III)		OBL Norms
Dimension & Surface Quality	IS 13630 (Part 1):2006	Unrectified	Rectified	
Deviation in Length & Width		$\pm 0.4\%$	$\pm 0.2\%$	Conforms
Deviation in Thickness		$\pm 5.0\%$		$\pm 3.00\%$
Straightness of Sides		$\pm 0.2\%$	$\pm 0.15\%$	Conforms
Rectangularity		$\pm 0.3\%$	$\pm 0.2\%$	Conforms
Surface Flatness		$\pm 0.3\%$		$\pm 0.20\%$ 😊😊
Surface Quality		Min. 95 % tiles shall be free from visible defects		Min. 95 % tiles shall be free from visible defects
Physical Properties				
Water Absorption (%)	IS 13630 (Part 2):2006	Average > 10 %		15 \pm 2 % 😊
Modulus of Rupture in [N/mm ²]	IS 13630 (Part 6):2006	Min 15, for thickness < 7.5 mm Min 12, for thickness \geq 7.5 mm		>15 😊
Breaking Strength in N	IS 13630 (Part 6):2006	< 7.5 mm thickness: 200, Min \geq 7.5 mm thickness: 600, Min		Conforms 😊
Moisture Expansion in mm/m	IS 13630 (Part 3):2006	0.04, Max		Conforms
Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13):2006	3, Min		>3
Resistance to Surface Abrasion of Glazed Tiles (Class I to V)	IS 13630 (Part 11):2006	Class II, Min		Conforms
Co-efficient of Linear Thermal Expansion from Ambient Temperature to 100°C	IS 13630 (Part 4):2006	$9 \times 10^{-6} K^{-1}$, Max		Conforms
Thermal Shock Resistance	IS 13630 (Part 5):2006	10 cycles, Min		Passed 10 Cycle
Crazing Resistance Glazed Tiles	IS 13630 (Part 9):2006	4 Cycles@7.5 bar, Min		4 Cycle Passed 😊😊
Impact Resistance- Coefficient of Restitution	IS 13630 (Part 14):2006	0.55, Min		>0.55
Chemical Properties				
Resistance to Staining of Glazed Tiles	IS 13630 (Part 8):2006	Class I, Min		Conforms
Resistance to Household Chemicals		Class AA, Min		Conforms
Resistance to Acids and Alkalis (with exception of hydrofluoric acid and its compound)		Required, if agreed		Resistant

ORIENT BELL TILE BOUTIQUE

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"SURYA GAYATRI", Building No. 32/8, B3, Puthiya Road, New Junction,
(Opposite Holiday Inn Hotel) Ernakulam By Pass Road, Cochin-682 031
Tel.: +91 97457 68058

COIMBATORE

11, 1st Floor, Venkata Samy Road (East), R.S. Puram,
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DEHRADUN

Duggal Complex (Near Kamla Palace Hotel), GMS Road,
Dehradun-248 001,
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LUCKNOW

Raj Rani Apartment, Ground Floor, Near Beej Nigam, Badshah Nagar Railway
Station, Lucknow-226 006,
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NEW DELHI

M-47, GK-II, M Block, New Delhi-110 048,
Tel.: +91 11 4068 7468/69

PUNE

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Gultekdi, Swargate, Pune-411 037
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VADODRA DISPLAY CENTRE

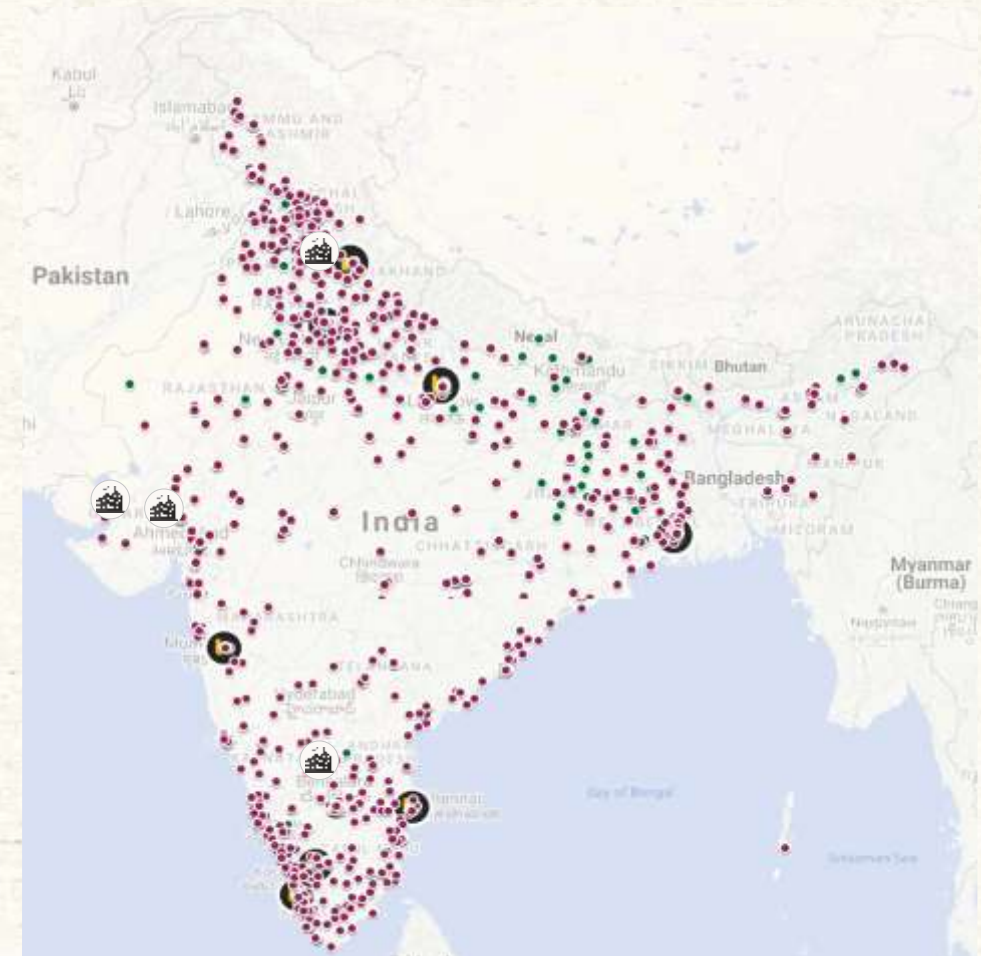
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