

# Charts

## Anatomical Charts



### Item code: Ca1

- Printed on artboard
- Laminated both sides for long lasting durability
- Large size for best impact  
520 x 760mm

- |          |             |                      |                 |
|----------|-------------|----------------------|-----------------|
| 1) Heart | 5) Lungs    | 9) Muscles           | 13) Spinal cord |
| 2) Eye   | 6) Skin     | 10) Digestive system | 14) Torso       |
| 3) Ear   | 7) Brain    | 11) Kidneys          |                 |
| 4) Teeth | 8) Skeleton | 12) Respiration      |                 |

## Mathematical Charts

### Item code: Cm1

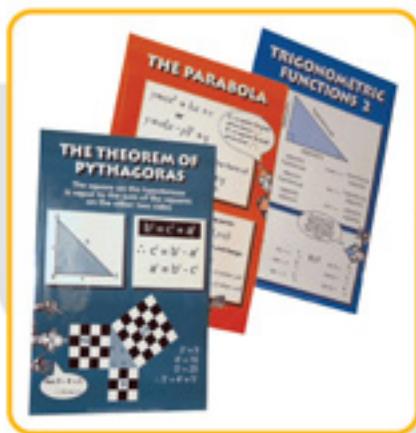
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520 x 760mm



- |                     |                 |                    |
|---------------------|-----------------|--------------------|
| 1) Addition 1       | 7) Division 1   | 13) Quadrilaterals |
| 2) Addition 2       | 8) Division 2   | 14) Polygons       |
| 3) Subtraction 1    | 9) Lines        | 15) Circles 1      |
| 4) Subtraction 2    | 10) Angles      | 16) Circles 2      |
| 5) Multiplication 1 | 11) Triangles 1 | 17) Geometry 1     |
| 6) Multiplication 2 | 12) Triangles 2 | 18) Geometry 2     |

# Charts

## Mathematical Charts



### Trigonometry Charts (Set of 9 charts in blue / black / white)

- 1) Special angles
- 2) Reduction formulae and co-functions
- 3) Cast diagram
- 4) Trigonometric functions 1
- 5) Trigonometric functions 2
- 6) Basic trigonometric graphs
- 7) Reciprocal identities
- 8) Quotient identities
- 9) Square identities

### Item code: Cm2

- Large A1 size posters in two-colour: clear, uncluttered, easy to read from anywhere in the class
- Laminated on front surface

### Algebra Charts (Set of 7 charts in red / black / white)

- 1) The straight line graph
- 2) The parabola
- 3) The hyperbola
- 4) The circle
- 5) Exponents
- 6) Pascal's triangle
- 7) The number system

### Geometry Charts (Set of 7 charts in green / black / white)

- 1) Congruency
- 2) Parallelograms
- 3) Quadrilaterals
- 4) The theorem of Pythagoras
- 5) Perimeters and areas
- 6) Angles with special relationships
- 7) Triangles

## Oxidation Reduction Chart

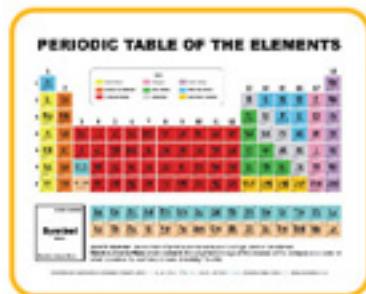
### Item code: Co1

- Turned metal moulding at top and bottom
- Eyelets for hanging
- Strongest oxidation agent on bottom left table
- 107 x 147cm

Oxidation-Reduction Half-Reactions in Aqueous Solution	
$\text{MnO}_4^- + 8\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$	0.45
$\text{Cr}_2\text{O}_7^{2-} + 14\text{H}^+ + 6\text{e}^- \rightarrow 2\text{Cr}^{3+} + 7\text{H}_2\text{O}$	1.30
$\text{Cl}_2 + 2\text{e}^- \rightarrow 2\text{Cl}^-$	1.30
$\text{Br}_2 + 2\text{e}^- \rightarrow 2\text{Br}^-$	1.30
$\text{I}_2 + 2\text{e}^- \rightarrow 2\text{I}^-$	1.30
$\text{O}_2 + 4\text{H}^+ + 4\text{e}^- \rightarrow 2\text{H}_2\text{O}$	1.20
$\text{S}_2\text{O}_8^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{S}_2\text{O}_4^{2-} + 4\text{H}^+$	1.20
$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$	1.20
$\text{Cr}_2\text{O}_7^{2-} + 10\text{H}_2\text{O} + 6\text{e}^- \rightarrow 2\text{Cr(OH)}_3 + 7\text{OH}^-$	1.20
$\text{Cl}_2 + 2\text{OH}^- \rightarrow \text{Cl}^- + \text{ClO}^- + \text{H}_2\text{O}$	1.20
$\text{Br}_2 + 2\text{OH}^- \rightarrow \text{Br}^- + \text{BrO}^- + \text{H}_2\text{O}$	1.20
$\text{I}_2 + 2\text{OH}^- \rightarrow \text{I}^- + \text{IO}^- + \text{H}_2\text{O}$	1.20
$\text{O}_2 + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow 4\text{OH}^-$	1.20
$\text{S}_2\text{O}_4^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{S}_2\text{O}_3^{2-} + 4\text{OH}^-$	1.20
$\text{MnO}_2 + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Mn(OH)}_2 + 2\text{OH}^-$	1.20
$\text{Cr(OH)}_3 + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Cr(OH)}_4^- + 2\text{OH}^-$	1.20
$\text{Cl}^- + \text{H}_2\text{O} \rightarrow \text{HClO} + \text{H}^+$	1.20
$\text{Br}^- + \text{H}_2\text{O} \rightarrow \text{HBrO} + \text{H}^+$	1.20
$\text{I}^- + \text{H}_2\text{O} \rightarrow \text{HI} + \text{H}^+$	1.20
$\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{H}_2\text{O}$	1.20
$\text{S}_2\text{O}_3^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{S}_2\text{O}_4^{2-} + 4\text{OH}^-$	1.20
$\text{Mn(OH)}_2 + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Mn(OH)}_4^- + 2\text{OH}^-$	1.20
$\text{Cr(OH)}_4^- + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Cr(OH)}_3 + 2\text{OH}^-$	1.20
$\text{ClO}^- + \text{H}_2\text{O} \rightarrow \text{HClO} + \text{H}^+$	1.20
$\text{BrO}^- + \text{H}_2\text{O} \rightarrow \text{HBrO} + \text{H}^+$	1.20
$\text{IO}^- + \text{H}_2\text{O} \rightarrow \text{HIO} + \text{H}^+$	1.20
$\text{H}_2\text{O} \rightarrow \text{H}^+ + \text{OH}^-$	1.20
$\text{S}_2\text{O}_3^{2-} + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{S}_2\text{O}_4^{2-} + 4\text{OH}^-$	1.20
$\text{Mn(OH)}_4^- + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Mn(OH)}_2 + 2\text{OH}^-$	1.20
$\text{Cr(OH)}_4^- + 2\text{H}_2\text{O} + 2\text{e}^- \rightarrow \text{Cr(OH)}_3 + 2\text{OH}^-$	1.20
$\text{ClO}^- + \text{H}_2\text{O} \rightarrow \text{HClO} + \text{H}^+$	1.20
$\text{BrO}^- + \text{H}_2\text{O} \rightarrow \text{HBrO} + \text{H}^+$	1.20
$\text{IO}^- + \text{H}_2\text{O} \rightarrow \text{HIO} + \text{H}^+$	1.20
$\text{H}_2\text{O} \rightarrow \text{H}^+ + \text{OH}^-$	1.20

# Charts

## Periodic Table Chart



### Item code: Cp1

- List over 20 properties and characteristics
- Provides a convenient summary of data

## Physical Sciences Charts

### Item code: Cp2

- Laminated both sides for long lasting durability
- Large size for best impact: 520 x 760mm



- |           |                         |                           |
|-----------|-------------------------|---------------------------|
| 1) Air    | 8) Magnetism            | 16) Nitrogen              |
| 2) Water  | 9) Static electricity   | 17) Density               |
| 3) Light  | 10) Current electricity | 18) Optics                |
| 4) Sound  | 11) Electromagnetism    | 19) Work                  |
| 5) Heat   | 12) Mass and weight     | 20) Acids and bases       |
| 6) Matter | 13) Force               | 21) Measurement of matter |
| 7) Energy | 14) Oxygen              | 22) Carbon dioxide        |
|           | 15) Hydrogen            |                           |

## Plant Life Charts

### Item code: Cp3

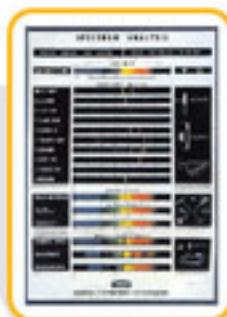
- Printed on artboard
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- Large size for best impact: 520 x 760mm



- |                |                   |                    |                 |
|----------------|-------------------|--------------------|-----------------|
| 1) Roots       | 7) The mushroom   | 13) Bread mould    | 16) Gymnosperms |
| 2) Stems       | 8) Ferns          | 14) Moss           | 17) Sunflower   |
| 3) Leaves      | 9) Seed dispersal | 11) Seed formation |                 |
| 4) Flowers     | 10) Germination   | 12) Algae          |                 |
| 5) Pollination |                   |                    |                 |
| 6) Corn        |                   |                    |                 |

## Charts

### Spectrum Chart



#### Item code: Cs1

- Continuous spectrum is contrasted with bright line spectra of mercury, helium, lithium, thallium, cadmium, strontium, barium, calcium, sodium and hydrogen
- Includes spectrum of the sun
- 2 stellar space spectra
- Absorption spectra of the important solution of chlorophyll, didymium glass and oxyhemoglobin
- 71 x 105cm

### Technology Charts

#### Item code: Ct1

- Printed on artboard
- Laminated both sides for long lasting durability
- Large size for best impact 594 x 841mm

- 1) Structures 1
- 2) Structures 2
- 3) Mechanisms in general
- 4) Mechanical system & control 1
- 5) Mechanical system & control 2
- 6) Mechanical system & control 3
- 7) Mechanical system & control 4
- 8) Mechanical system & control 5
- 9) Hydraulics systems & control
- 10) Pneumatics systems & control



- 11) Wood and wood products
- 12) Plastics
- 13) Metals & alloys
- 14) Textiles/fibres
- 15) Electrical systems & control
- 16) Electronic systems 1
- 17) Electronic systems 2
- 18) Cement, concrete & bricks
- 19) Graphic communication
- 20) Food processing

### Zoology Charts

#### Item code: Cz1

- Printed on artboard
- Laminated both sides for long lasting durability
- Large size for best impact 520 x 760mm

- |              |                  |            |              |             |
|--------------|------------------|------------|--------------|-------------|
| 1) Amoeba    | 6) Hydra         | 11) Locust | 16) Pigeon   | 21) Mitosis |
| 2) Sponge    | 7) Spider        | 12) Shark  | 17) Cockerel | 22) Meiosis |
| 3) Earthworm | 8) Spiny lobster | 13) Perch  | 18) Rat      |             |
| 4) Tapeworm  | 9) Bug           | 14) Frog   | 19) Lion     |             |
| 5) Snail     | 10) Beetle       | 15) Lizard | 20) Cell     |             |

