

CLASS VII

Jahan normal dimaag extraordinary tricks banata hai

4 worksheets aage hain



Class VII • Worksheet 1 • Code-Word Magic

Science — Modes of Heat Transfer (Ch. 4)



Hook: Heat 3 tareeke se travel karti hai — aur ek hi word teeno ko lock kar deta hai.

Yeh trick kaise kaam karti hai

- Items list karo: Conduction, Convection, Radiation.
- Pehle letters: C, C, R.
- Ek acrostic banao jo ek picture banaye.
- Use zor se bolo — kaan bhi madad karte hain.

Dekho ek example

Teen modes: Conduction (solids ko touch karke), Convection (liquids/gases mein), Radiation (khaali space mein, jaise Sun ki kirnein).

Acrostic: "Crows Carry Roti."

Picture: ek crow kitchen mein garam tava TOUCH karta hai (Conduction), roti ko bubbling soup ki steam se CARRY karta hai (Convection), aur terrace ki SUNLIGHT mein le jaata hai (Radiation).

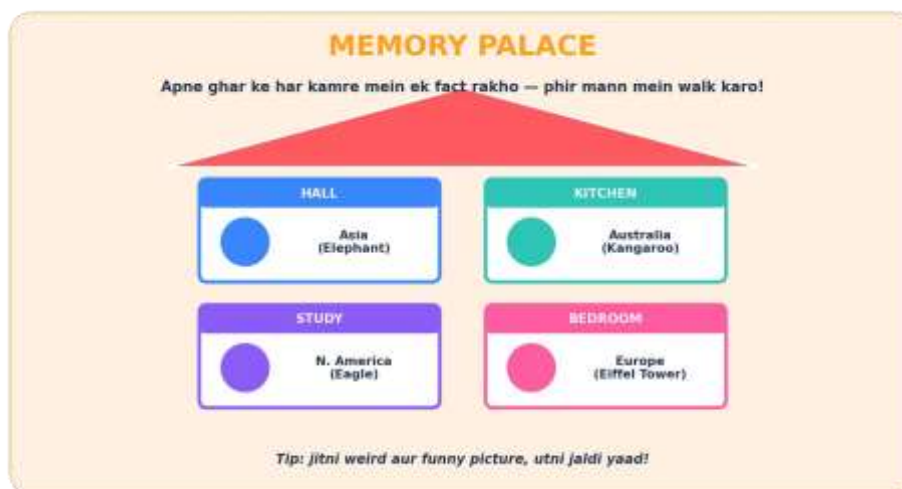
Ab tumhaari baari! — Practice Tasks

1. Rainbow ke 7 colours ka apna acronym banao — VIBGYOR se bhi funnier.
2. 5 types of nutrition in plants ka acrostic: Autotrophic, Heterotrophic, Parasitic, Saprophytic, Symbiotic. (Hint: A-H-P-S-S)
3. 4 changes of state ka acrostic: melting, freezing, boiling, condensation.
4. 3 types of mixtures ka acronym: homogeneous, heterogeneous, suspension.
5. Kal dost ko test karo — kya woh bina help ke acronym crack kar payega?

Kya tumhe pata tha? Pilots aur surgeons roz acronyms use karte hain life-saving checklists yaad rakhne ke liye. NASA astronauts mission se pehle sau acronyms yaad karte hain.

Class VII • Worksheet 2 • Memory Palace

Mathematics — Types of Triangles (Ch. 6)



Hook: Geometry darawni nahi — har triangle ko apna kamra do.

Yeh trick kaise kaam karti hai

- Ek jaani-pehchaani jagah chuno — chalo school use karein.
- Yaad karne wali cheezein list karo — 6 triangle types.
- Har station par ek type ek wild picture ke saath rakho jo property se match kare.
- Raat ko route ghoomo. Subah recall karo.

Dekho ek example

6 cheezein: Equilateral, Isosceles, Scalene, Right-angled, Acute, Obtuse triangles.

1. School gate → 3 dost SAME uniform mein (Equilateral — sab sides barabar).
2. Classroom → twins same dress mein + 1 alag (Isosceles — 2 barabar).
3. Library → 3 alag size ki books (Scalene — koi barabar nahi).
4. Stairs → ek perfect 90 degree corner step (Right-angled).
5. Canteen → chhoti pizza slices, sab chote angles (Acute).
6. Playground → goalkeeper ke phaile hue arms (Obtuse — ek bada angle).

Ab tumhaari baari! — Practice Tasks

1. Ghar ke 5 kamre chuno aur 5 types of angles ka palace banao: acute, right, obtuse, straight, reflex.
2. Formula "triangle ke angles ka sum = 180" ko front door par ek bade red "180" balloon se anchor karo.
3. Apna palace 3 din tak so ne se pehle aur breakfast ke baad ghoomo.
4. Din 4 par bina dekhe saare 6 triangle types order mein likho.
5. Bonus: Sirf mushkil formulas ke liye ek Maths Palace banao. Har hafte 1 naya formula add karo.

Kya tumhe pata tha? Memory Palace 2,500 saal purani trick hai. Ek Greek poet Simonides ne ise tab banaya jab ek chhat gir gayi — usne yaad rakh kar bataya ki kaun kahan baitha tha.

Class VII • Worksheet 3 • Story Chain

Science — Digestive System — Nutrition in Animals (Ch. 2)



Hook: Socho tum ek French fry ho — tumhaara safar bahut wild hai!

Yeh trick kaise kaam karti hai

- Organs ko shuru se end tak order mein list karo.
- Khud ko main character banao — first-person kahani sabse achhi chipakti hai.
- Sounds aur emotions add karo ("splash!", "ouch!", "yum!").
- Kahani ek chote bhai/behen ko dobara sunao.

Dekho ek example

Food ka raasta: Mouth → Oesophagus → Stomach → Small Intestine → Large Intestine → Rectum → Anus.

"Main ek crunchy French fry hoon. Ek bada MOUTH mujhe crunch karta hai — daant piano ki keys jaise! Main ek lambi WATER-SLIDE se neeche slide karta hoon (Oesophagus). SPLASH! Main acid ke bubbling cauldron mein girta hoon (Stomach). Ek lambi twisty tunnel se ghanton guzarta hoon — nutrients absorb hote hain (Small Intestine). Phir ek chhoti, wide tunnel (Large Intestine — paani absorb). Lobby mein wait karta hoon (Rectum). Darwaza khulta hai... bye-bye! (Anus)."

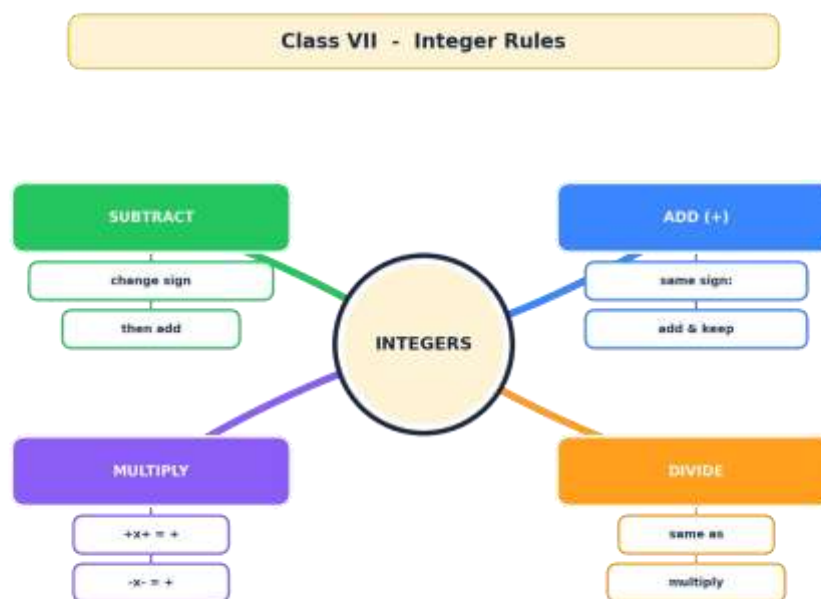
Ab tumhaari baari! — Practice Tasks

1. Photosynthesis ki apni pagal kahani likho: sunlight → leaves → chlorophyll → CO₂ + H₂O → glucose → oxygen.
2. "Main ek French fry hoon" ka 7-panel comic strip banao — har organ ka ek panel.
3. Butterfly ke life cycle ki story chain banao: egg → larva → pupa → adult.
4. Apni kahani parent ko sunao. Dinner ke baad unse repeat karwao.
5. Bonus: Phone par apni kahani record karo aur sone se pehle suno.

Kya tumhe pata tha? BBC ke "Sherlock" mein detective Mind Palace aur Story Chain dono use karta hai. Real chess grandmasters aur spies bhi yahi use karte hain.

Class VII • Worksheet 4 • Mind Maps

Mathematics — Integers — Rules of Operations (Ch. 1)



Hook: Plus aur minus students ko confuse karna pasand karte hain. Ek map se sab clear!

Yeh trick kaise kaam karti hai

- Beech mein "INTEGERS" rakho.
- 4 badi branches: Add, Subtract, Multiply, Divide.
- Har ek ke neeche sign ka rule likho.
- Har rule ke saath 1 example add karo.

Dekho ek example

Topic: Integers ke add, subtract, multiply, divide rules. Upar wala map dekho.

ADD: same sign → add karke sign rakho; alag sign → bada-chhota karke bade ka sign. SUBTRACT: doosre ka sign badlo, phir add. MULTIPLY: $+ \times + = +$, $- \times - = +$, alag = $-$. DIVIDE: multiply jaise hi rules.

Ab tumhaari baari! — Practice Tasks

1. BODMAS ka mind map banao — har letter ka matlab ek example ke saath.
2. Apne map se solve karo: $(-7) + 12 = ?$, $(-4) \times (-5) = ?$, $18 \div (-3) = ?$, $(-9) - (-4) = ?$
3. Ek red "Common Mistakes" branch add karo — woh traps likho jisme students phaste hain.
4. 3+ colours use karo. Plus blue mein, minus red mein — colour codes memory lock karte hain.
5. Bonus: Agle test se pehle "Lines & Angles" chapter ka mind map banao.

Kya tumhe pata tha? Mind maps tumhaare dimaag ke kaam karne ke tareeke se milte hain — ek ped ki tarah jiski jadein phailti hain. Isiliye padhte waqt yeh "sahi" lagte hain.

