



SCHOOL HEALTH WEBINAR · FOR TEACHERS & SCHOOL STAFF

First Aid at School

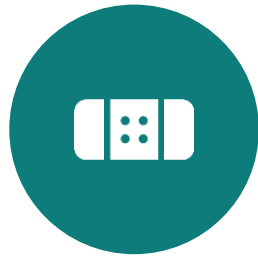
Handling Injuries, Spotting Hidden Illness & Acting in Emergencies

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Three Things You'll Master Today



Everyday Injuries



Warning Signs of Illness



Emergency Care

By the end of this session you'll have a simple, repeatable action plan for all three.

You Are the First Responder



Children spend 6–8 hours a day with you

Most childhood injuries and many first signs of illness happen or show up at school — before any doctor sees them.



The first 5 minutes decide outcomes

Correct action in the golden minutes — pressure on a bleed, cooling a burn, clearing a choking airway — changes what happens at the hospital.



Calm adults create calm children

A composed teacher prevents panic, secondary injuries, and crowding — half of first aid is behaviour, not medicine.



You are not expected to be a doctor

Your job is simple: keep the child safe, do no harm, and get the right help fast. This webinar gives you exactly that toolkit.



You Are the First Responder



6-8 Hours With You Daily



First 5 Minutes Matter

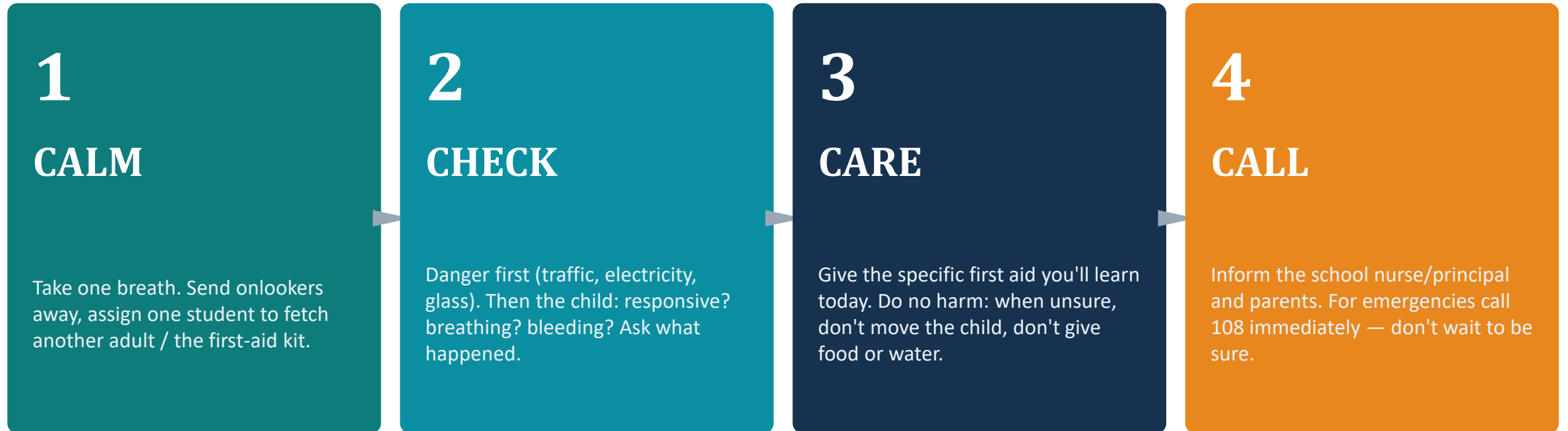


Stay Calm



Not A Doctor - Just Fast, Safe Action

The 4-Step Approach: Calm → Check → Care → Call



Memorise one number: 108 (free government ambulance, Telangana & most states) · Keep it printed near every classroom door along with the school nurse's extension.



Calm, Check, Care, Call



1. CALM



2. CHECK



3. CARE



4. CALL 108

One method works for every situation on the next slides — practice saying it: Calm, Check, Care, Call.

The Classroom First-Aid Kit: What Should Be Inside

Wound care

Sterile gauze pads, roller bandages, adhesive bandages (plasters), antiseptic solution (povidone-iodine), sterile saline, micropore tape

Tools

Blunt-tip scissors, tweezers, disposable gloves (many pairs), digital thermometer, torch, safety pins

Support & cooling

Elastic crepe bandage, triangular bandage/sling, instant cold packs, clean cling film (for burns)

Extras

ORS sachets, sugar/glucose packets, face shield for rescue breaths, notepad & pen for recording, emergency contact list

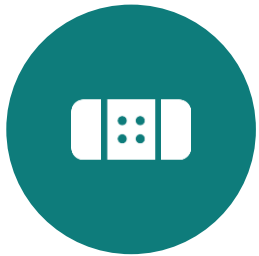
Medicines

Keep NO oral medicines in the general kit — only a child's own labelled inhaler/adrenaline pen etc., stored per parent's written instruction

Check the kit monthly; replace used and expired items. One kit per floor, one in the sports room, one in the school van.



What's In The Box



Wound Care



Tools & Gloves



Cooling & Support



Records & Extras



No Loose Medicines

Five categories, checked monthly — one kit per floor, one in the sports room, one in the van.



SECTION A

Everyday Injuries: What To Do

The 10 situations every teacher should be able to handle confidently



Cuts, Scrapes & Bleeding

WHAT YOU'LL SEE

- Graze, cut or deeper wound
- Bleeding — slow ooze to fast flow
- Dirt or gravel in the wound
- A frightened, crying child

DO THIS — STEP BY STEP

- 1** Wear gloves. Sit the child down and reassure.
- 2** Press firmly on the wound with clean gauze/cloth for 5–10 minutes — don't peek early.
- 3** Rinse small grazes with clean water or saline; apply antiseptic and a plaster.
- 4** For larger cuts, keep pressure, raise the limb, bandage firmly over the pad.
- 5** Never remove an object embedded in a wound — pad around it and bandage.



GET HELP IF...

- Bleeding doesn't stop after 10 min of pressure
- Wound is deep, gaping, or on the face
- An object is embedded
- Animal/human bite, or very dirty wound (tetanus risk)

Tip: blood looks like more than it is — a spoonful spreads like a puddle. Stay calm and press.



Press, Don't Peek



Gloves On



Firm Pressure 5-10 min



Rinse & Clean



Raise The Limb

Never remove an embedded object — pad around it and bandage over the top.

Nosebleeds



WHAT YOU'LL SEE

- Sudden bleeding from one or both nostrils
- Often after nose-picking, a knock, or hot dry weather
- Child may swallow blood and feel sick

DO THIS — STEP BY STEP

- 1 Sit the child up and lean them FORWARD — never backward.
- 2 Pinch the soft part of the nose (just below the bone) continuously for 10 minutes.
- 3 Ask the child to breathe through the mouth and spit out, not swallow, any blood.
- 4 Cold pack on the bridge of the nose helps.
- 5 After it stops: no nose-blowing, picking or sports for a few hours.



GET HELP IF...

- Still bleeding after 2 × 10-minute attempts
- Follows a hard blow to the head/face
- Child looks pale, dizzy, or bleeds very often (tell parents — needs a check-up)

Common myth: tilting the head back — it sends blood down the throat and causes vomiting. Always forward.



Lean Forward, Never Back



DON'T

Tilt Head Back

Blood runs down the throat — causes coughing, vomiting, and swallowed blood.



DO

Lean Forward & Pinch

Pinch the soft part of the nose for 10 full minutes. Breathe through the mouth, spit out blood.

Cold pack on the bridge of the nose helps too.



Bumps & Blows to the Head

WHAT YOU'LL SEE

- Fall from height, sports collision, or playground knock
- Swelling (“egg”) on the scalp
- Crying immediately — usually a good sign
- Possible brief confusion

DO THIS — STEP BY STEP

- 1 Sit the child down; don't let them run straight back to play.
- 2 Cold pack wrapped in cloth on the bump for 10–15 minutes.
- 3 Observe for 30–60 minutes: talking, walking, behaving normally?
- 4 Record what happened and inform parents the same day, even for minor bumps.
- 5 Any loss of consciousness — treat as an emergency, call 108.



GET HELP IF...

- Was knocked out, even briefly
- Vomits, is drowsy, confused, or unsteady
- Severe/worsening headache, blurred vision, unequal pupils
- Fluid or blood from nose/ear
- Neck pain — do NOT move the child

Golden rule: a child who was unconscious, vomits after a head knock, or 'isn't themselves' goes to hospital — no exceptions.



Sit, Cool, Watch for 60 Minutes



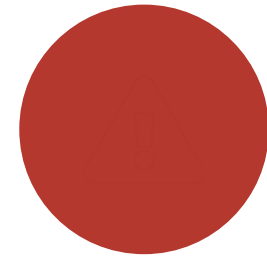
Sit & Rest



Cold Pack 10-15 min



Observe 30-60 min



Vomits or Drowsy? Call 108



Sprains, Strains & Suspected Fractures

WHAT YOU'LL SEE

- Pain after a twist or fall
- Swelling, bruising
- Refusing to move or put weight on the limb
- Deformity or 'crack' heard = likely fracture

DO THIS — STEP BY STEP

- 1 Stop activity. R.I.C.E: Rest, Ice (wrapped, 15 min), Compress with crepe bandage, Elevate.
- 2 If a fracture is suspected: keep the limb exactly as found — never straighten it.
- 3 Support with a sling (arm) or padding (leg); immobilise the joint above and below.
- 4 Remove rings/watches before swelling starts.
- 5 Nothing to eat or drink if surgery might be needed.



GET HELP IF...

- Obvious deformity or bone through skin
- Child can't bear any weight
- Numbness, blue/white fingers or toes
- Severe pain despite RICE



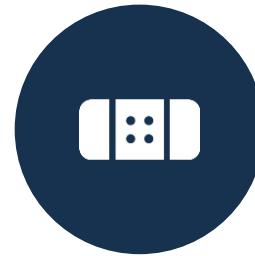
R.I.C.E for Sprains & Strains



Rest



Ice 15 min



Compress



Elevate

Suspected fracture? Never straighten the limb — support it exactly as found and get help.

Burns & Scalds



WHAT YOU'LL SEE

- Contact with hot water/food, lab equipment, flames, or chemicals
- Red, painful skin; blisters
- Child may be very distressed

DO THIS — STEP BY STEP

- 1 Cool the burn under gently running tap water for 20 full minutes — this is the single most important step.
- 2 Remove tight items (rings, shoes) near the burn before swelling.
- 3 Cover loosely with cling film or a clean non-fluffy cloth.
- 4 NO ice, toothpaste, ghee, ink or ointments. Never burst blisters.
- 5 Chemical burns: brush off powder, then rinse continuously; call for help.



GET HELP IF...

- Burn is larger than the child's palm
- On face, hands, feet, joints or genitals
- Deep, white/charred, or caused by electricity or chemicals
- Any smoke inhalation

20 minutes of running water within the first hour reduces burn depth dramatically — set a timer, it feels longer than you think.

VISUAL AID

Burns & Scalds: The One Number That Matters

20

MINUTES OF COOL RUNNING WATER

Start immediately, within the first hour. No ice, no toothpaste, no ghee, no ointments — just running water, for the full 20 minutes.

Choking



WHAT YOU'LL SEE

- Sudden coughing/gagging while eating or with small objects
- Clutching the throat; can't speak or cry
- Silent cough, blue lips = severe — act NOW

DO THIS — STEP BY STEP

- 1** If coughing effectively: encourage coughing, do nothing else. Stay with them.
- 2** If the cough is silent/weak: shout for help, then give up to 5 firm back blows between the shoulder blades, child leaning forward.
- 3** Still blocked: 5 abdominal thrusts — fist above the navel, sharp inward-upward pulls.
- 4** Alternate 5 back blows / 5 thrusts until the object clears.
- 5** If the child becomes unresponsive: start CPR and have someone call 108.



GET HELP IF...

- Object doesn't clear after 2–3 cycles
- Child becomes blue or floppy
- Even after successful clearing with abdominal thrusts — the child should be medically checked



5 Back Blows, 5 Abdominal Thrusts, Repeat



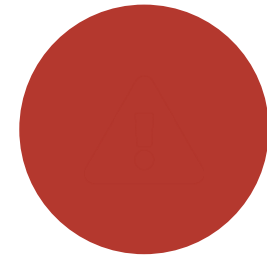
5 Back Blows



5 Abdominal Thrusts



Repeat Until Clear



Blue or Floppy? Start CPR

If coughing effectively, just encourage coughing — do nothing else, stay close.



Knocked-Out or Broken Tooth

WHAT YOU'LL SEE

- Fall or sports blow to the mouth
- Bleeding gums/lip; a whole tooth out, or a broken piece
- Milk (baby) tooth vs permanent tooth matters

DO THIS — STEP BY STEP

- 1** Calm the child; press a gauze pad on the bleeding socket — bite gently.
- 2** Find the tooth. Hold it ONLY by the crown, never the root.
- 3** If dirty, rinse briefly (10 sec) in milk or saline — do not scrub.
- 4** Permanent tooth: ideally re-insert into the socket and bite on gauze; if not possible, store in MILK.
- 5** Get to a dentist within 30–60 minutes — speed decides if the tooth survives.



GET HELP IF...

- Any knocked-out permanent tooth — dentist immediately
- Jaw pain, teeth not meeting properly (possible jaw fracture)
- Never re-insert a baby tooth — dentist decides



Hold By The Crown, Store In Milk



Find The Tooth



Hold By Crown Only



Store In Milk



Dentist Within 30-60 min

Never touch or scrub the root — and never re-insert a baby (milk) tooth.



Bites, Stings & Allergic Reactions

WHAT YOU'LL SEE

- Bee/wasp stings, ant bites; dog/monkey bites on campus
- Local pain, swelling, redness
- DANGER pattern: hives all over, swelling of lips/face, wheeze, vomiting — anaphylaxis

DO THIS — STEP BY STEP

- 1 Sting: scrape the stinger out sideways with a card edge (don't squeeze); cold pack for swelling.
- 2 Animal bite: wash thoroughly with soap and running water for 10–15 minutes; cover; inform parents — anti-rabies vaccination is usually needed.
- 3 Watch every stung child for 30 minutes for allergy signs.
- 4 Known allergic child: use THEIR adrenaline auto-injector into the outer thigh at the first severe sign, then call 108.
- 5 Keep the child lying down with legs raised if faint.



GET HELP IF...

- Any lip/tongue/face swelling, breathing difficulty, widespread rash — call 108 NOW
- Sting inside the mouth/throat
- All dog, cat or monkey bites (rabies risk)
- Snake bite: immobilise limb, keep child still, 108 — no cutting, sucking or tight bands



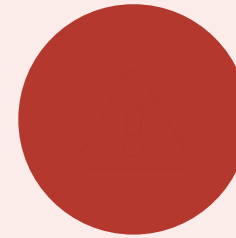
Local Reaction vs. Anaphylaxis



LOCAL & MILD

Pain, Swelling, Redness

Scrape out a stinger sideways; cold pack; watch for 30 minutes.
Usually settles on its own.



ANAPHYLAXIS

Face/Lips Swell + Breathless

Use the child's OWN adrenaline auto-injector into the outer thigh
immediately, then call 108.

All dog, cat or monkey bites need medical review — rabies risk.



Seizures (Fits) & Fainting

WHAT YOU'LL SEE

- Seizure: sudden collapse, stiffening, jerking, frothing, eyes rolling; may pass urine
- Fainting: brief pale collapse, especially at assembly in heat; recovers in seconds–minutes

DO THIS — STEP BY STEP

- 1** Seizure: note the TIME. Clear hard objects away; put something soft under the head.
- 2** Do NOT restrain, do NOT put anything in the mouth (no spoon, no water, no shoe/onion smell).
- 3** When jerking stops, roll the child into the recovery position (on their side).
- 4** Stay until fully awake; the child will be confused and sleepy — that's normal.
- 5** Fainting: lie flat, raise the legs, loosen collar, fresh air; sips of water when fully awake.



GET HELP IF...

- First-ever seizure, or seizure lasting > 5 minutes — call 108
- A second seizure follows, or child doesn't wake between
- Seizure after a head injury or in water
- Fainting during exercise, or with chest pain/palpitations



Seizure vs. Fainting: Different Care



SEIZURE

Clear Space, Cushion Head

Time it. Never restrain, never put anything in the mouth. Recovery position once jerking stops.



FAINTING

Lie Flat, Raise Legs

Loosen collar, fresh air. Sips of water only once fully awake and alert.

First-ever seizure or one lasting over 5 minutes — call 108.



Asthma Attack

WHAT YOU'LL SEE

- Coughing, wheezing (whistling breath), tight chest
- Breathless while talking; anxious
- Often triggered by dust, exercise, chalk, weather change

DO THIS — STEP BY STEP

- 1** Sit the child UPRIGHT (never lie them down); stay calm and calming.
- 2** Use the child's own reliever inhaler (usually blue): 2 puffs via spacer, one at a time.
- 3** No relief in 5–10 minutes: repeat up to school's/parent's written action plan.
- 4** Loosen tight clothing; move away from the trigger (dust, smoke).
- 5** Keep the child at rest until breathing is fully settled; inform parents.



GET HELP IF...

- No inhaler available or not improving — call 108
- Can't speak full sentences, lips going blue
- Exhausted, drowsy, or breathing getting quieter (a bad sign, not improvement)

Ask parents of every asthmatic child for a written asthma action plan and a labelled spare inhaler kept at school.



Sit Up, Inhaler, Wait, Reassess



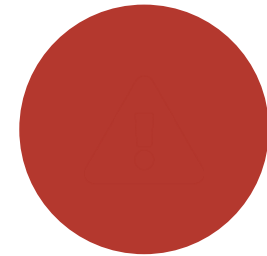
Sit Upright



2 Puffs Via Spacer



Wait 5-10 min



No Better? Call 108

Never lie the child down during an asthma attack.



Heat Exhaustion & Heat Stroke

WHAT YOU'LL SEE

- After sports/assembly in Telangana heat: headache, dizziness, cramps, nausea
- Pale, sweaty, thirsty = heat exhaustion
- HOT, DRY, confused, staggering or collapsing = HEAT STROKE (emergency)

DO THIS — STEP BY STEP

- 1 Move to shade or a cool room; lie down, raise legs slightly.
- 2 Loosen/remove excess clothing; fan the child.
- 3 Sponge with cool water — neck, armpits, groin; wet cloths work well.
- 4 If fully alert: sips of water or ORS — slowly, no gulping.
- 5 Heat stroke: cool aggressively with water + fanning AND call 108 — do not wait.



GET HELP IF...

- Hot dry skin, confusion, fainting or seizure — heat stroke, call 108
- Vomiting, unable to drink
- Not improving within 30 minutes of cooling

Prevention beats cure: reschedule outdoor periods before 10 am in summer, ensure water breaks every 30–45 minutes.



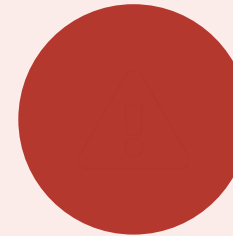
Heat Exhaustion vs. Heat Stroke



HEAT EXHAUSTION

Pale, Sweaty, Thirsty

Move to shade, lie down, loosen clothing, sponge with cool water, sips of ORS.



HEAT STROKE

Hot, Dry, Confused

A true emergency — cool aggressively with water and fanning AND call 108. Do not wait.

Prevention: outdoor activity before 10am, water breaks every 30–45 minutes in summer.



SECTION B

Warning Signs of Hidden Illness

Teachers often notice serious disease before anyone else — here's what to watch for

General Warning Signs No Teacher Should Ignore



Fever that keeps returning

Fever beyond a week, or recurring every few weeks — think infections like typhoid or TB, and rarer causes. Needs a doctor, not just paracetamol.



Weight loss & poor growth

Clothes getting loose, looking thinner than classmates, appetite gone — unintentional weight loss in a child is never normal.



Unusual paleness & tiredness

A previously active child who is pale (check inner eyelids), exhausted by stairs, or sleeping in class — anaemia and other blood problems show up this way.



Easy bruising & bleeding

Bruises without injuries, frequent gum/nose bleeds, tiny red spots on skin — needs a blood test soon.



Change in the child themselves

Falling grades, withdrawal, irritability, clumsiness, squinting at the board, morning headaches with vomiting — changes in behaviour or vision deserve attention.



Five Signs Worth a Second Look



Recurring Fever



Weight Loss



Pale & Tired



Easy Bruising



Behaviour Change

One bad day means nothing. The same sign for 2–3 weeks means something — that's when you speak up.

Red Flags by System: What They Might Mean

Very thirsty + urinating often + losing weight	Possible Type 1 diabetes — can become an emergency (vomiting, drowsiness) within days. Urgent doctor visit.
Frequent toilet trips, burning urine, new bedwetting	Urinary infection or diabetes — simple urine test settles it.
Breathless at play, bluish lips, chest pain	Asthma, anaemia, or occasionally a heart condition — needs evaluation before sports continue.
Repeated stomach pain, vomiting, worms, poor appetite	Usually minor — but persistent pain, especially waking the child at night, needs a check.
Yellow eyes/skin, dark urine	Jaundice (often hepatitis A from food/water) — inform parents immediately; also review school water hygiene.
Neck/armpit lumps, long cough > 2 weeks, evening fever	Think tuberculosis — common, treatable, and important not to miss.



Six Systems, Six Patterns



Thirst + Weight Loss → Diabetes



Burning Urine → UTI



Breathless → Asthma/Heart



Stomach Pain → Usually Minor



Yellow Eyes → Jaundice



Neck Lumps + Cough → TB

Observe → Document → Inform: Handling a Concern Kindly



OBSERVE

Watch quietly for 1–2 weeks. Is it a pattern or a one-off? Compare with the child's own normal, not with other children.



DOCUMENT

Note dates and specifics: “Slept in class 4 of 5 days”, “drank water 6 times in one period”. Facts help doctors far more than impressions.



INFORM

Tell the school nurse/principal, then the parents — privately, gently, without diagnosing: “We've noticed... it may be worth a doctor's visit.”

Never label a child (“he has diabetes”, “she's anaemic”) in front of the class or other parents. Your observation is a gift to the family — deliver it with privacy and warmth.



Notice Quietly, Note Facts, Speak Privately



1. Observe



2. Document



3. Inform Privately

Never diagnose or label a child in public — your quiet observation is a gift to the family.



SECTION C

True Emergencies & Hospital Transfer

When every minute counts — what to do before the ambulance arrives

Call 108 First: The True Emergencies



Unresponsive

Child doesn't wake to voice or gentle shoulder squeeze



Not breathing normally

Gasping, very fast/slow breathing, blue lips



Severe bleeding

Blood soaking through pads, spurting, or an amputation



Seizure > 5 minutes

Or repeated seizures, or first-ever seizure



Suspected neck/spine injury

Fall from height, diving, vehicle hit — do NOT move



Anaphylaxis

Face/lip swelling + rash + breathing trouble after sting/food



Major head injury

Knocked out, vomiting, confused, unequal pupils



Heat stroke

Hot dry skin + confusion or collapse

Rule: if you're debating whether to call 108 — call. Ambulance crews would rather come for nothing than come late.

VISUAL AID

When In Doubt, Call

108

FREE GOVERNMENT AMBULANCE

Ambulance crews would always rather come for nothing than come too late. If you're debating whether to call — that's your answer: call.

The Unresponsive Child: Recovery Position & CPR Basics

IF BREATHING — RECOVERY POSITION

- Check response (call name, squeeze shoulders) and breathing (look, listen, feel — up to 10 seconds).
- Breathing normally → roll onto their side: far arm across chest, far knee bent, roll towards you.
- Tilt the head slightly back so the tongue can't block, and fluids drain out.
- Stay, keep checking breathing every minute until 108 arrives.
- Exception: suspected neck injury → leave in place, hold the head still, only move if vomiting or not breathing.

IF NOT BREATHING — START CPR

- Shout for help; send someone to call 108 and fetch an AED if the school has one.
- Place heel of one hand on the centre of the chest (both hands for bigger children).
- Push HARD and FAST: about 5 cm deep, 100–120/min — the beat of “Stayin' Alive”.
- If trained: 30 compressions + 2 breaths. Not trained/willing: continuous compressions are still life-saving.
- Don't stop until the child moves, the AED instructs, or 108 takes over.

Strong recommendation: every school should send at least 2 staff per floor for certified Basic Life Support training annually.



Breathing? Recovery Position. Not? Start CPR.



BREATHING NORMALLY

Recovery Position

Roll onto their side, tilt the head back slightly, stay and keep checking breathing until help arrives.



NOT BREATHING

Start CPR Now

Push hard and fast on the centre of the chest, ~100–120/min. Don't stop until the child moves or 108 takes over.

Suspected neck injury? Leave in place — only move if vomiting or not breathing.

Do's & Don'ts While You Wait



DO

- Stay with the child every second; keep talking calmly to them
- Keep them warm (blanket) and in the safest position for their condition
- Send someone to the gate to guide the ambulance in
- Gather: parent contacts, child's health file, any medicines the child takes
- Write down times: when it happened, what you did, any medicines given



DON'T

- Don't give food, water or medicines to a seriously ill/injured child
- Don't move a child with suspected neck/back injury
- Don't put anything in the mouth during a seizure
- Don't apply ice, toothpaste or home remedies on burns
- Don't let a crowd gather or other children film the scene



Stay Calm. Don't Feed, Move, or Medicate.



Stay & Reassure



No Food, Water, Medicine



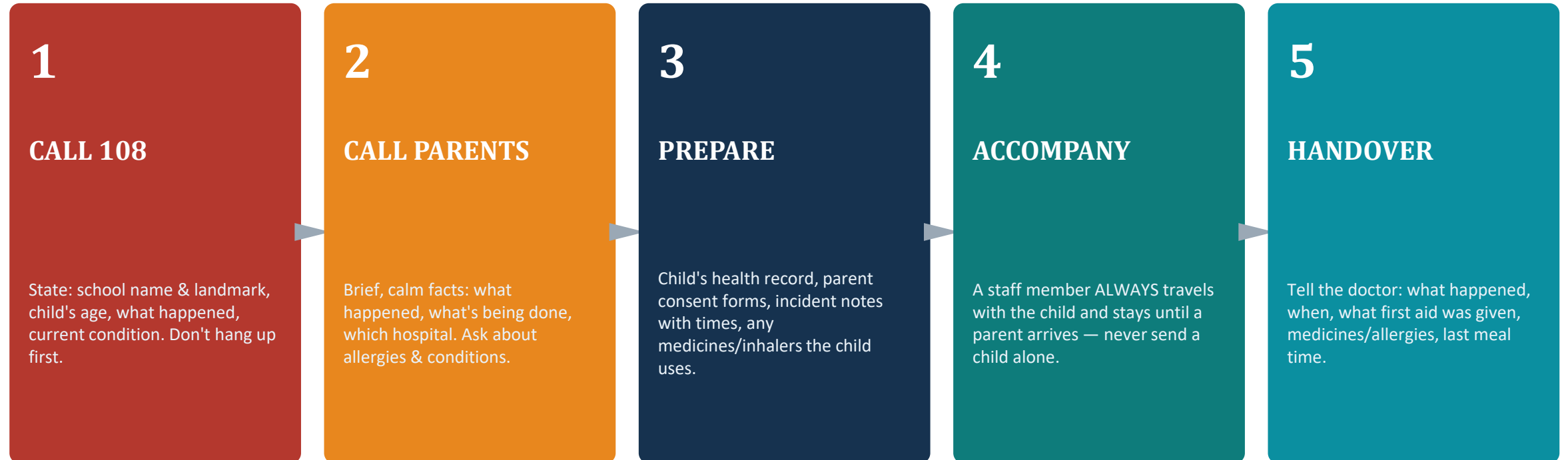
Guide Ambulance In



Don't Move Neck Injury

Write down times and what you did — the hospital team will ask.

The Hospital Transfer Protocol



The 30-second handover script: “This is [name], age [x]. At [time] he/she [what happened]. We did [first aid]. Known conditions: [x]. Parents informed, arriving.”



Call, Call, Prepare, Accompany, Handover



1. Call 108



2. Call Parents



3. Prepare Records



4. Accompany



5. Handover

A staff member always travels with the child — never send a child to hospital alone.

YOUR SCHOOL'S READINESS CHECKLIST



Stocked first-aid kit on every floor

checked monthly, gloves in every kit



108 + nurse's number at every classroom door

and saved in every teacher's phone



2+ BLS-trained staff per floor

refreshed every year; know your AED location



Health file per child

allergies, conditions, action plans, parent consent for emergency transfer



Every incident documented & parents informed

same day, every time, however small

Be prepared, not scared — a trained teacher is a child's best chance. Thank you! · Dr. Jagadeesh Kanukuntla, Continental Hospitals