Paediatric advanced life support

Assess rhythm

Continue CPR with minimal interruptions

Attach defibrillator/monitor

Shockable VF / pulseless VT

Shock (4 J/kg)

Recommence CPR with minimal interruptions

Adrenaline 10 mcg/kg after 2nd shock (then every 2nd loop)

Amiodarone 5 mg/kg after 3rd shock

Recommence CPR with minimal interruptions

Non-shockable PEA/asystole

Adrenaline 10 mcg/kg (immediately then every 2nd loop)

Continue CPR for 2 mins

Return of spontaneous circulation?

Continue CPR for 2 mins

Post-resuscitation care

During CPR
Airway adjuncts (LMA/ETT)
Oxygen
Waveform capnography
IV/IO access
Minimise interruptions to CPR
Plan actions before interrupting compressions (e.g. charge manual defibrillator to 4 J/kg)

Consider and correct
Hypoxia
Hypovolaemia
Hyper/hypokalaemia/metabolic disorders
Hypothermia/hyperthermia
Tension pneumothorax
Tamponade
Toxins
Thrombosis (pulmonary/coronary)

Post-resuscitation care
Re-evaluate ABCDE
12 lead ECG
Treat precipitating causes
Re-evaluate oxygenation and ventilation
Temperature control (cool)