



SCHOOL-BASED AED PROGRAM AED SKILL DRILL CHECKLIST

SCHOOL: _____ **DATE:** _____

TIME DRILL STARTED: _____ **TIME DRILL TERMINATED:** _____

1. Time victim discovered by school staff member (Rescuer 1) _____
2. Staff member's (Rescuer 1) response:
 - Called for help (vocal)
 - Called for help (phone)
 - Started CPR assessment, then called for help
 - Ran for help
 - Other _____
3. Time "Code" announcement made by Front Office Staff _____
4. Time Rescuer 2 arrived on scene _____
5. How many people responded to scene? _____
6. School's Resource Officer/Administrator notified?
 - Yes, Time _____
 - No
7. Time CPR started _____
 CPR started by Rescuer 1 who discovered victim?
 - Yes
 - No, CPR performed by _____
8. Time AED sent for _____ Time AED arrived at scene _____
 Time AED attached to victim _____
 Person who performed AED functions _____
10. Time administrator/resource officer arrived on the scene _____
11. Staff member sent to front of school to await EMS?
 - Yes, Time _____
 - No
12. Time EMS arrived on the scene _____

QUESTIONS

- *What did the rescuers do right?* _____
- *What could the rescuers do better?* _____
- *What was easy to remember to do?* _____
- *What was hard to remember to do?* _____

COMMENTS

SCHOOL-BASED AED PROGRAM

AED SKILL DRILL I (*Elementary Student*)

Skill Drills should be a part of any School-based AED Program. The Skill Drills are scenarios designed to practice and reinforce more realistic CPR and AED skills for trained responders/rescuers in their school setting. These drills should be reviewed annually to assure optimal performance during an actual emergency.

Purpose: Management of a sudden cardiac arrest of an elementary-aged student requiring the performance of CPR and AED using pediatric electrode pads. After 3rd shock the victim is resuscitated.

Materials Required:

- AED Trainer with pediatric electrode pads
- First aid kit including CPR mask/face shield, scissors, razor, and gloves
- Mannequin
- Telephone (unconnected)
- *Skill Drill Checklist* on clipboard with pencil
- Stop watch

AED Trainer Settings: Start with shockable rhythm, 1 shock, CPR 2 minutes, 2nd shock, CPR 2 minutes, 3rd shock, converts to non-shockable rhythm, breathing returns.

Rescuer's Roles:

Rescuer 1 – CPR rescuer
Rescuer 2 – 911 caller and meets EMS at front of school
Rescuer 3 – AED rescuer
Rescuer 4 – Observer/time keeper (complete Checklist for Skill Drill)

Scenario: Mrs. Smith's 1st grade class is on the playground for recess. John, one of Mrs. Smith's students, is playing soccer and starts to have shortness of breath, but doesn't stop playing to tell his teacher. Suddenly John collapses and begins having some seizure-like activity. You (Rescuer 1) are on the playground and see John on the ground. You and another teacher (Rescuer 2) are the first responders to reach the student. Begin to assess and manage the victim now.

Assessment findings	Expected Learner Actions			
	Rescuer 1 – CPR rescuer	Rescuer 2 – 911 caller	Rescuer 3 – AED rescuer	Rescuer 4 – Observer/time keeper
<ul style="list-style-type: none"> ● <u>Rescuer 1 assesses the victim.</u> ● Victim has seizure-like activity. ● Seizure-like activity stops. ● There is no breathing. ● <u>Rescuer 2 calls EMS and arrives with first aid kit.</u> <p><i>Note: Seizures are related to lack of oxygen and have often been noted in Sudden Cardiac Arrests.</i></p>	<ul style="list-style-type: none"> ● Assesses victim (Check responsiveness, open airway, assess breathing). ● Identifies bystanders to assist with the emergency. ● Simultaneously instructs Rescuer 2 to notify EMS and obtain the AED/first aid kit. ● Puts on gloves and obtains CPR mask/face shield from playground first aid kit. ● Initiates CPR. 	<ul style="list-style-type: none"> ● Call EMS / front office to call 911/notify others (“Student with sudden loss of consciousness”). ● Gives Rescuer 1 playground first aid kit. ● Instructs Rescuer 3 to obtain AED in school. ● Meets EMS at front of school. 	<ul style="list-style-type: none"> ● Runs or calls for AED in the school. <p>(In real emergency, another rescuer should be clearing other students from scene.)</p>	<ul style="list-style-type: none"> ● Completes <i>AED Skill Drill Checklist</i>. ● Times drill with stop watch.
<ul style="list-style-type: none"> ● <u>Rescuer 3 arrives with AED.</u> 	<ul style="list-style-type: none"> ● Stops CPR. 		<ul style="list-style-type: none"> ● Arrives with AED. ● Removes clothing. ● Turn AED “on”. ● Attaches pediatric electrodes. 	
<ul style="list-style-type: none"> ● Victim’s initial rhythm is Ventricular Fibrillation (VF). ● Rhythm remains VF for 1 shock. ☐ There is no breathing. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & Shocks 1 time. 	
<ul style="list-style-type: none"> ● After 2 minutes of CPR, rhythm Continues in VF. ● Rhythm remains VF for 2nd shock. ● There is no breathing. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & give 2nd Shock. 	
<ul style="list-style-type: none"> ● After 2 minutes of CPR, rhythm Continues in VF. ● After 3rd shock, rhythm converts to Normal Sinus Rhythm. ● “No shock advised”. ● Victim is now breathing. 	<ul style="list-style-type: none"> ● Check for breathing. ● Place victim in recovery position. ● Monitor victim until EMS arrives. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & give 3rd Shock. <p>Student moves, begins breathing.</p>	

Review:

Review the *AED Skills Drill Checklist*.

SCHOOL-BASED AED PROGRAM

AED SKILL DRILL II (*Secondary Student*)

Skill Drills should be a part of any School-based AED Program. The Skill Drills are scenarios designed to practice and reinforce more realistic CPR and AED skills for trained responders/rescuers in their school setting. These drills should be reviewed annually to assure optimal performance during an actual emergency.

Purpose: Management of a sudden cardiac arrest of a secondary student lying in a puddle of water requiring the performance of CPR and AED with how to remove the victim from standing water and dry the chest. After 3rd shock the victim is resuscitated.

Materials Required:

- AED Trainer
- First aid kit including CPR mask/face shield, scissors, razor, and gloves
- Mannequin
- Telephone (unconnected)
- *Skill Drill Checklist* on clipboard with pencil
- Stop watch

AED Trainer Settings: Start with shockable rhythm, 1 shock, CPR 2 minutes, 2nd shock, converts to non-shockable rhythm, breathing returns.

Rescuer's Roles:

Rescuer 1 – CPR rescuer
Rescuer 2 – 911 caller and meets EMS at front of school
Rescuer 3 – AED rescuer
Rescuer 4 – Observer/time keeper (complete Checklist for Skill Drill)

Scenario: MS or HS Students are changing classes in the hallway. Sue, a student, was dizzy when she got up. Sue goes to the water fountain for a drink of water and suddenly collapses. You (Rescuer 1) are in the hallway and hear a student call for assistance. You and another teacher (Rescuer 2) are the first responders to reach the student. The student is in a puddle of water under the water fountain. Begin to assess and manage the victim now.

Assessment findings/Discussion	Expected Learner Actions			
	Rescuer 1 – CPR rescuer	Rescuer 2 – 911 caller	Rescuer 3 – AED rescuer	Rescuer 4 – Observer/time keeper
<ul style="list-style-type: none"> ● <u>Rescuer 1 assesses the victim.</u> ● Victim is unresponsive. ● There is no breathing. ● Victim is lying face down in a puddle of water. <ul style="list-style-type: none"> ● <u>Rescuer 2 calls 911 and arrives with Classroom first aid kit.</u> 	<ul style="list-style-type: none"> ● Assesses victim (Check responsiveness, open airway, assess breathing). □ Identifies bystanders to assist with the Emergency. ● Simultaneously ask Rescuer 2 to notify EMS and obtain the AED/first aid kit. ● Puts on gloves and obtains CPR mask/face shield from the classroom’s first aid kit ● Removes victim from puddle of water. ● Initiates CPR 	<ul style="list-style-type: none"> ● Calls EMS/ front office to notify others. ● Gives Rescuer 1 classroom first aid kit. ● Instructs Rescuer 3 to obtain the school’s AED. ● Meets EMS at front of school. 	<ul style="list-style-type: none"> ● Runs or calls for AED in the school. 	<ul style="list-style-type: none"> ● Completes <i>AED Skill Drill Checklist.</i> ● Times drill with stop watch.
<ul style="list-style-type: none"> ● <u>Rescuer 3 arrives with AED.</u> <p><i>Note: Rescuer must move and dry victim before attaching electrode pads..</i></p>	<ul style="list-style-type: none"> ● Stops CPR. 		<ul style="list-style-type: none"> ● Arrives with AED + kit. ● Removes victim’s clothing. Dries chest with towel. ● Turn AED”on”. ● Attaches electrode pads. 	
<ul style="list-style-type: none"> ● Victim’s initial rhythm is Ventricular Fibrillation (VF). ● Rhythm remains VF for 1 shock. <ul style="list-style-type: none"> ● There is no breathing. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & Shocks 1 time. 	
<ul style="list-style-type: none"> ● After 2 minutes of CPR, victim’s rhythm continues in VF. ● Rhythm remains VF for 2nd shock. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & give 2nd shock. 	
<ul style="list-style-type: none"> ● After CPR, rhythm reanalyzed ● ”No shock advised”. ▪ Victim begins breathing. 	<ul style="list-style-type: none"> ● Place victim in recovery position. ● Monitors victim until EMS arrives. 		<ul style="list-style-type: none"> ▪ Clear & Analyzes. ▪ “No shock advised” 	

Review:

Review the *AED Skill Drill Checklist.*

SCHOOL-BASED AED PROGRAM

AED SKILL DRILL III (*Adult Staff Member*)

Skill Drills should be a part of any School-based AED Program. The Skill Drills are scenarios designed to practice and reinforce more realistic CPR and AED skills for trained responders/rescuers in their school setting. These drills should be reviewed annually to assure optimal performance during an actual emergency.

Purpose: Management of a sudden cardiac arrest of an adult faculty member requiring the performance of CPR and AED and removal of a medication patch worn by the victim. After the 2nd shock the victim is resuscitated.

Materials Required:

- AED Trainer
- First aid kit including CPR mask/face shield, scissors, razor, and gloves
- Mannequin with a piece of tape that represents a medication patch on the chest at the location for the right AED electrode pad.
- Telephone (unconnected)
- *Skill Drill Checklist* on clipboard with pencil
- Stop watch

AED Trainer Settings: Start with shockable rhythm, 1 shock, CPR 2 minutes, 2nd shock, converts to non-shockable rhythm, breathing returns.

Rescuer's Roles:

Rescuer 1 – CPR rescuer
Rescuer 2 – 911 caller and meets EMS at front of school
Rescuer 3 – AED rescuer
Rescuer 4 – Observer/time keeper (complete Checklist for Skill Drill)

Scenario: The school day is almost over and Mr. Jones, the custodian, is fixing the gym doors while the basketball team gets ready to practice. Mr. Jones has had shortness of breath and chest pain all day and thinks, “I must have eaten something at lunch giving me heartburn today.” You (Rescuer 1) hear a sound as if someone has fallen. As you look over, you see Mr. Jones lying on the floor. You yell to the other coach (Rescuer 2) for assistance and are the first responders to reach the custodian. An AED is in the school. Begin to assess and manage the victim now.

Assessment findings	Expected Learner Actions			
	Rescuer 1 – CPR rescuer	Rescuer 2 – 911 caller	Rescuer 3 – AED rescuer	Rescuer 4 – Observer/time keeper
<ul style="list-style-type: none"> ● <u>Rescuer 1 assesses the victim.</u> ● Victim is unresponsive. ● There is no breathing. ● <u>Rescuer 2 calls EMS and arrives with first aid kit.</u> 	<ul style="list-style-type: none"> ● Assesses victim (Check responsiveness, open airway, assess breathing). ● Identifies bystanders to assist with the Emergency. ● Simultaneously instructs Rescuer 2 to notify EMS and obtain the AED/first aid kit. ● Puts on gloves and obtains CPR mask/face shield from gym’s first aid kit. ● Initiates CPR. 	<ul style="list-style-type: none"> ● Call EMS/front office to notify others (“Victim-adult male- down suddenly and unresponsive”.) ● Gives Rescuer 1 Gym’s first aid kit. ● Instructs Rescuer 3 to obtain AED in school. ● Meets EMS at front of school. 	<ul style="list-style-type: none"> ● Runs or calls for AED in the school. 	<ul style="list-style-type: none"> ● Completes <i>AED Skill Drill Checklist.</i> ● Times drill with stop watch.
<ul style="list-style-type: none"> ● <u>Rescuer 3 arrives with AED.</u> <p><i>Note: Rescuers must remove medication patch and wipe skin before attaching electrode pads.</i></p>	<ul style="list-style-type: none"> ● Stops CPR. 		<ul style="list-style-type: none"> ● Arrives with AED. ● Removes clothing. ● Removes medication patch and wipes skin. <ul style="list-style-type: none"> • Turn AED”on”. ● Attaches electrode pads. 	
<ul style="list-style-type: none"> ● Victim’s initial rhythm is Ventricular Fibrillation (VF). ● Rhythm remains VF for 1 shock. ● There is no breathing. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & Shocks 1 time. 	
<ul style="list-style-type: none"> ● After 2 minutes of CPR, rhythm is Continues in VF. ● Rhythm remains VF for 2nd shock. 	<ul style="list-style-type: none"> ▪ Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & give 2nd Shock. 	
<ul style="list-style-type: none"> ● After 2nd shock, victim’s rhythm converts to Normal Sinus Rhythm ● Victim is now breathing. 	<ul style="list-style-type: none"> ● Check for breathing. ● Place victim in recovery position. ● Monitor victim until EMS arrives. 		<ul style="list-style-type: none"> ▪ Clear & Analyzes. ● “No shock advised”. 	

Review:

Review the *AED Skill Drill Checklist.*

SCHOOL-BASED AED PROGRAM

AED SKILL DRILL IV (*Athletic Student*)

Skill Drills should be a part of any School-based AED Program. The Skill Drills are scenarios designed to practice and reinforce more realistic CPR and AED skills for trained responders/rescuers in their school setting. These drills should be reviewed annually to assure optimal performance during an actual emergency.

Purpose: Management of a sudden cardiac arrest of an athlete requiring the performance of CPR and AED with poor pad contact and correction (drying) required. After 1st shock the victim continues to be unresponsive without breathing, but no shock is advised.

Materials Required:

- AED Trainer
- First aid kit including CPR mask/face shield, scissors, razor, and gloves
- Mannequin
- Telephone (unconnected)
- *Skill Drill Checklist* on clipboard with pencil
- Stop watch

AED Trainer Settings: Start with shockable rhythm, 1 shock, CPR 2 minutes, 1 shock, converts to non-shockable rhythm with signs of Circulation, but not breathing. Continue CPR until EMS arrives.

Rescuer's Roles:

Rescuer 1 – CPR rescuer
Rescuer 2 – 911 caller and meets EMS at front of school
Rescuer 3 – AED rescuer
Rescuer 4 – Observer/time keeper (complete Checklist for Skill Drill)

Scenario: The high school football team is practicing after school on the football field. Tom, one of the defensive players, during practice is experiencing some shortness of breath and dizziness. Suddenly Tom collapses. You (Rescuer 1) are a part of the coaching staff and hear one of the other players call for assistance. You and another coach (Rescuer 2) with a cellular phone are the first responders to reach the student. An AED is in the field house. Begin to assess and manage the victim now.

Assessment findings/Discussion	Expected Learner Actions			
	Rescuer 1 – CPR rescuer	Rescuer 2 – 911 caller	Rescuer 3 – AED rescuer	Rescuer 4 – Observer/time keeper
<ul style="list-style-type: none"> ● <u>Rescuer 1 assesses the victim.</u> ● Victim is unresponsive. ● There is no breathing. ● <u>Rescuer 2 calls EMS and arrives with first aid kit.</u> 	<ul style="list-style-type: none"> ● Assesses victim (Check responsiveness, open airway, assess breathing). ● Identifies bystanders to assist with the Emergency. ● Simultaneously ask Rescuer 2 to notify EMS and obtain the AED/first aid kit. ● Puts on gloves and obtains CPR mask/face shield from team’s first aid kit. ● Initiates CPR. 	<ul style="list-style-type: none"> ● Calls EMS/ front office. (“Student suddenly unconscious on the football field.”) ● Gives Rescuer 1 team’s first aid kit. ● Instructs Rescuer 3 to obtain AED in field house. ● Meets EMS at front of school. 	<ul style="list-style-type: none"> ● Runs or calls for AED in the field house. 	<ul style="list-style-type: none"> ● Completes <i>AED Skill Drill Checklist</i>. ● Times drill with stop watch.
<ul style="list-style-type: none"> ● <u>Rescuer 3 arrives with AED.</u> ● Victim’s chest is sweaty causing poor electrode contact that requires the victim’s chest to be dried before the electrodes will attach successfully. <p><i>Note: Suggest solutions (pressing down on pads, check cable connections, comment “The victim is sweaty.”).</i></p>	<ul style="list-style-type: none"> ● Stops CPR. 		<ul style="list-style-type: none"> ● Arrives with AED. ● Removes clothing. ● Dries chest. ● Turns AED ”on”. ● Attaches electrode pads. 	
<ul style="list-style-type: none"> ● Victim’s initial rhythm is Ventricular Fibrillation (VF). ● Rhythm remains VF for 1 shock. 			<ul style="list-style-type: none"> ● Clear & Analyzes. ● Clear & Shocks 1 time. 	
<ul style="list-style-type: none"> ● “No shock advised”, victim in Normal Sinus Rhythm with signs of circulation but not breathing. 	<ul style="list-style-type: none"> ● Checks for breathing. ● Performs CPR for 2 minutes. 		<ul style="list-style-type: none"> • Clear & Analyzes • “No shock advised” 	
<ul style="list-style-type: none"> ● After 2 minutes of CPR, “No shock advised”, • victim continues to be unresponsive with no breathing. 	<ul style="list-style-type: none"> ● Checks for breathing ● Continues CPR until EMS arrives and takes over. 			

Review:

Review the *AED Skill Drill Checklist*.