A computer screen shot of a network

AI-generated content may be incorrect.

3 vlans:

* Vlan 10 Teachers
* Vlan 20 Students
* Vlan 30 Staff

Create these vlans on all switches. Interface that deals with end devices have access mode (“Switchport mode access”). Switch1 is the intermediary and uses trunking on both interfaces. Interfaces that connect to switch 1 from switches 0 and 2 also have trunk mode (“switchport mode trunk”). Native vlan is made same on to avoid mismatch (“switchport trunk native vlan 99”). You can only ping a device on the same vlan.