# UNIT 07: NTFS | EXERCISE 03

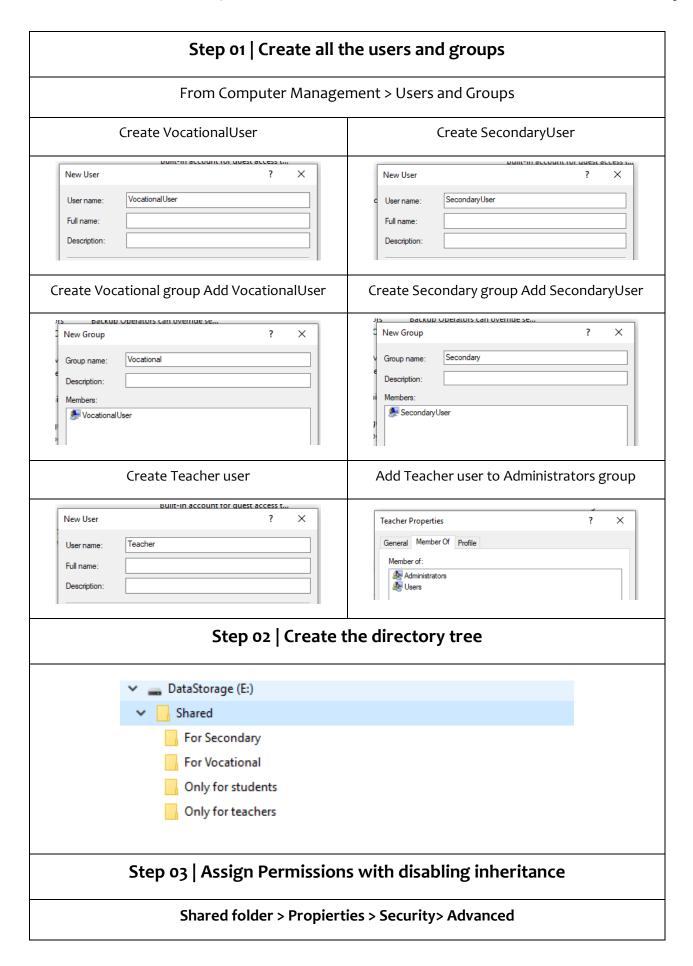
We have a PC with Windows 10 that consists of two groups: Vocational and Secondary. The user "VocationalUser" will belong to "Vocational" and the user "SecondaryUser" will belong to "Secondary". There is also a user called Teacher which belongs to the group Administrators.

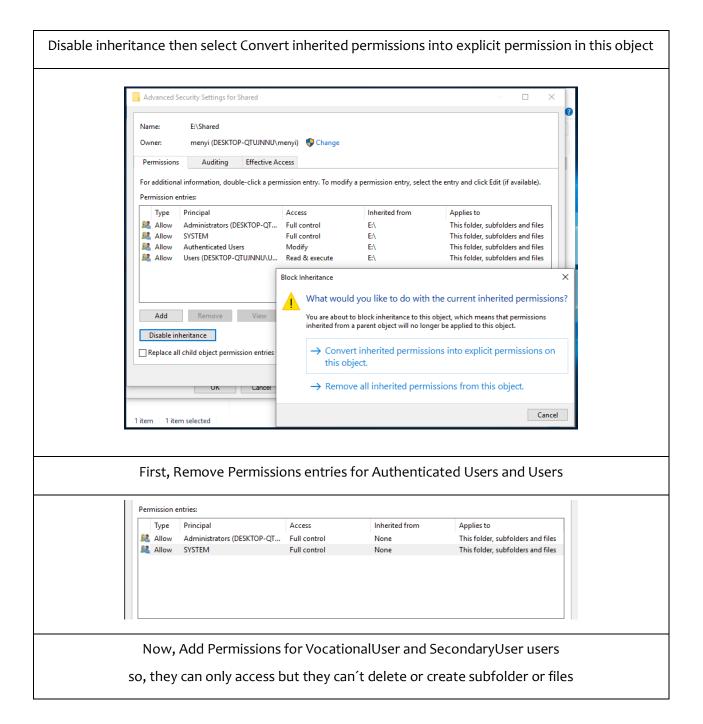
## Complete all the exercises considering two scenarios: disabling inheritance and with inheritance.

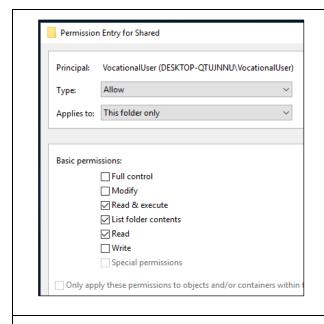
- A) Create all the users and groups mentioned above
- B) Create the following directory tree with the permissions below.

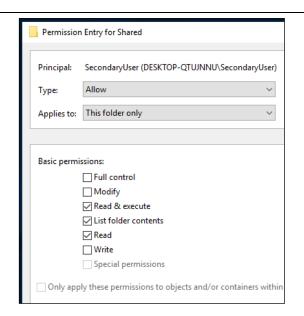
#### **Permissions**

- The directory known as "Shared" is able to be accessed by two users: "VocationalUser" and
  "SecondaryUser", but they cannot delete or create subfolders and files. The user Teacher has Full
  Control over this directory.
- 2. The directory "For secondary" cannot be accessed by the group "Vocational", while the group "Secondary" is able to do everything except change permissions.
- 3. The directory "For vocational" cannot be accessed by the group "Secondary", while the group "Vocational" is able to do everything except delete this folder and change permissions.
- 4. The directory "Only for students" can be accessed exclusively by all students regardless of the group. They will able to create files within this folder
- 5. The directory "Only for teachers" can be accessed exclusively by all teachers and only with read and execute permissions.



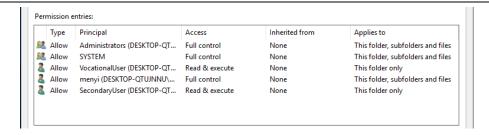






Teacher user already belongs to Administrators group so its permissions don't need to be modify in order to have Full Control

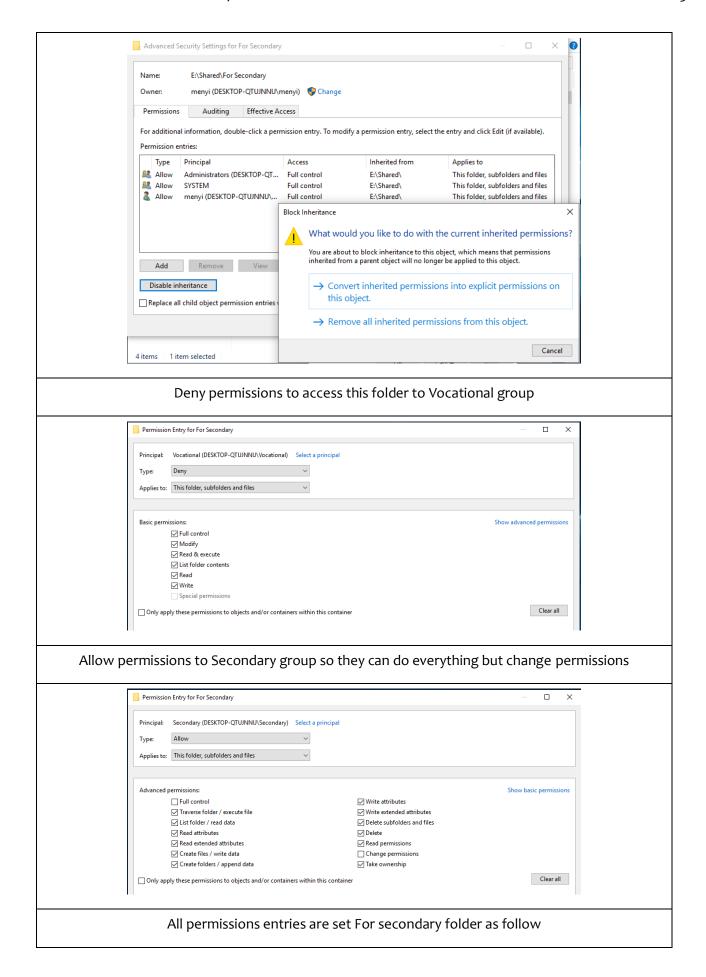
All permissions entries are set Shared folder as follow

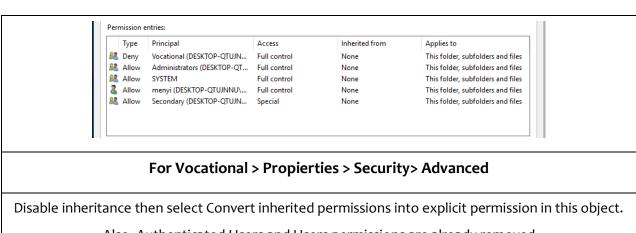


For Secondary > Propierties > Security > Advanced

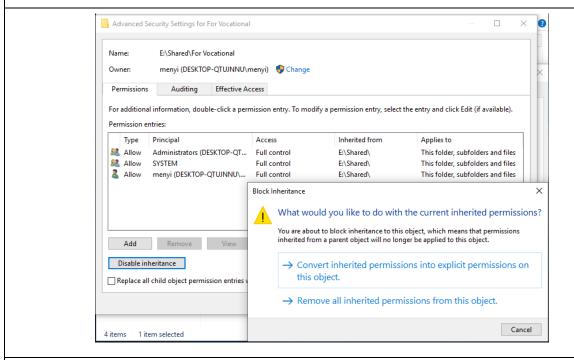
Disable inheritance then select Convert inherited permissions into explicit permission in this object.

Because this folder is inside of Shared folder, Authenticated Users and Users are already removed

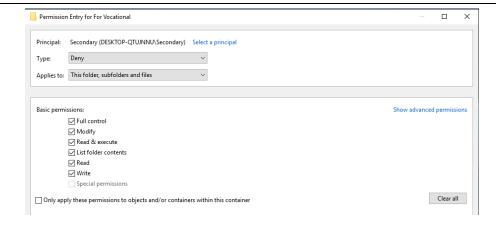




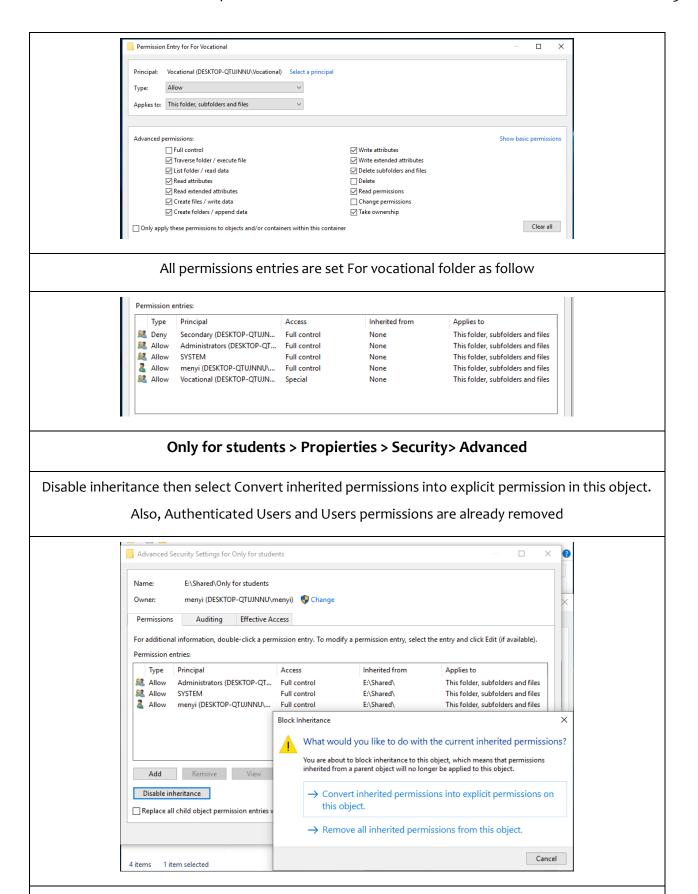
Also, Authenticated Users and Users permissions are already removed



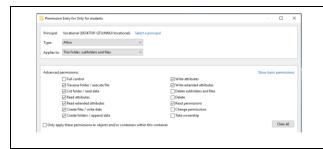
Deny permissions to access this folder to Secondary group



Allow permissions to Vocational group so they can do everything but delete this folder and change permissions



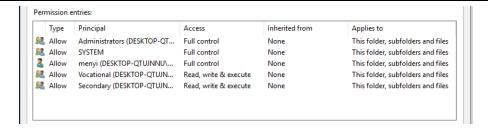
Allow permissions to Vocational and Secondary groups so they can access and create files





Since inheritance is disable, access will be denied automatically denied to others users

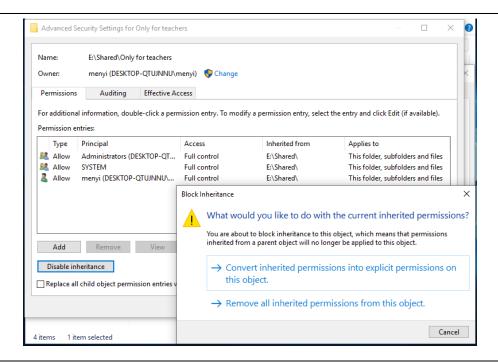
All permissions entries are set Only for students folder as follow



# Only for teachers > Propierties > Security> Advanced

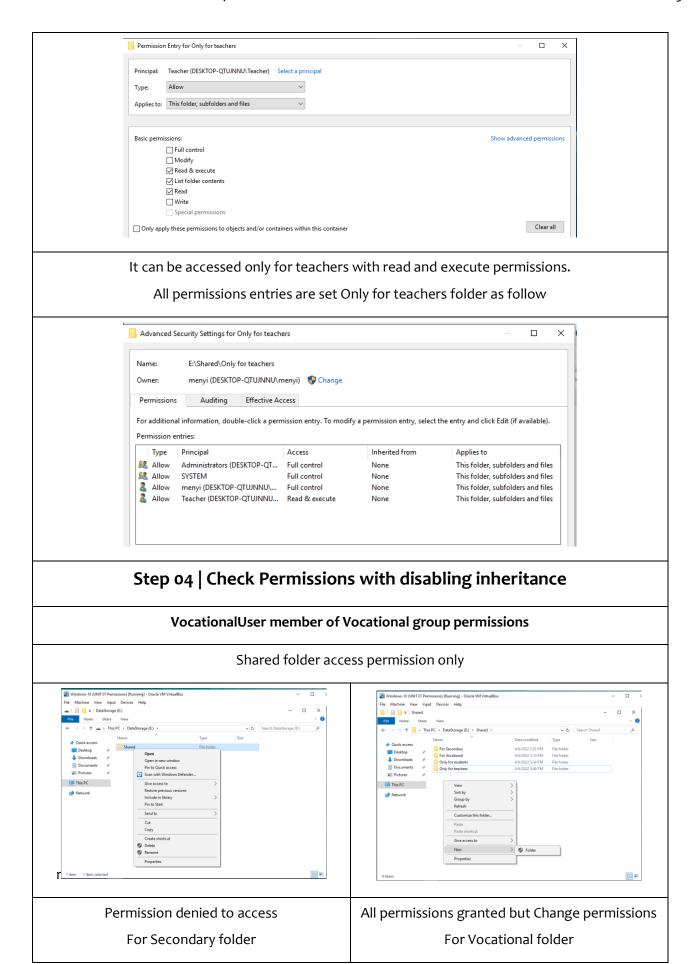
Disable inheritance then select Convert inherited permissions into explicit permission in this object.

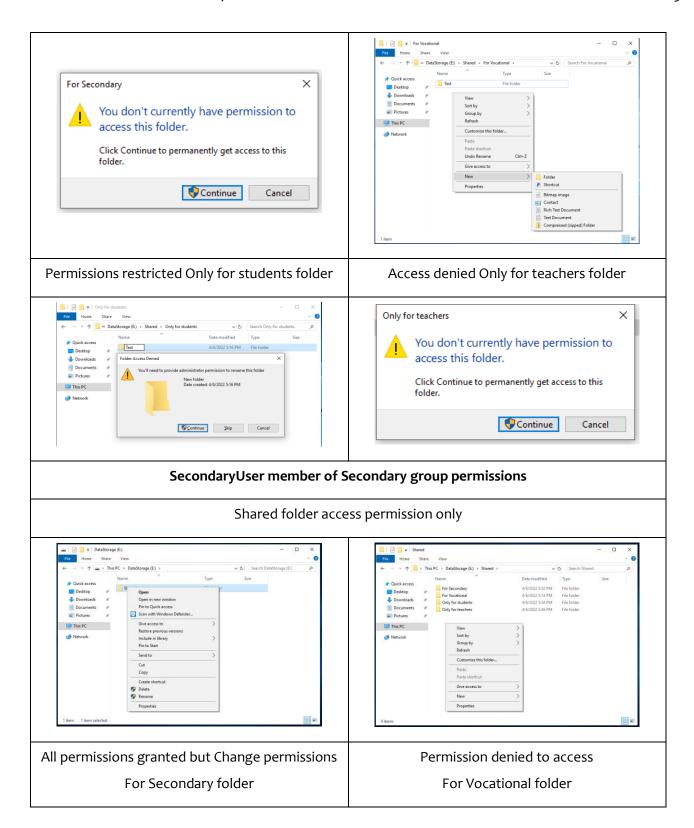
Also, Authenticated Users and Users permissions are already removed

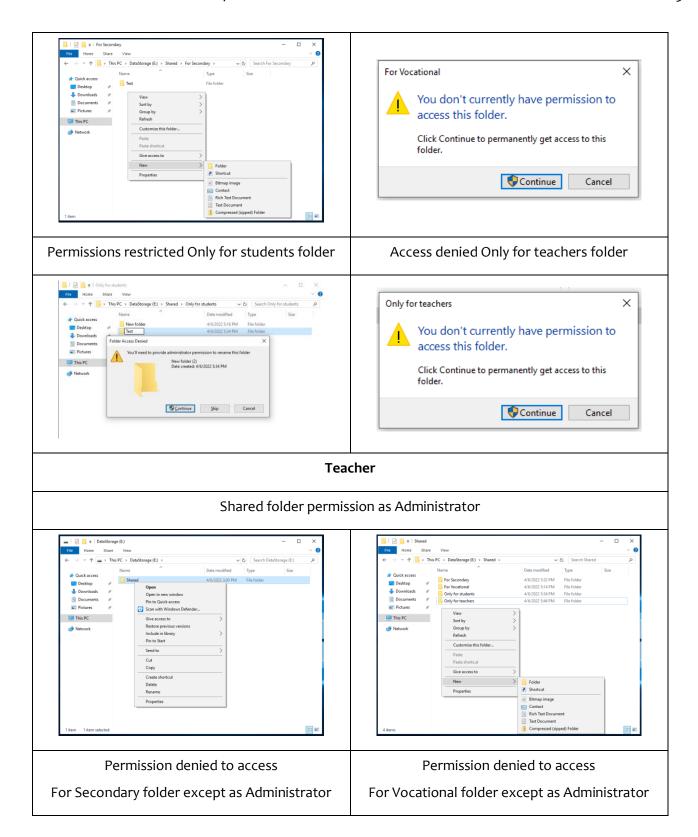


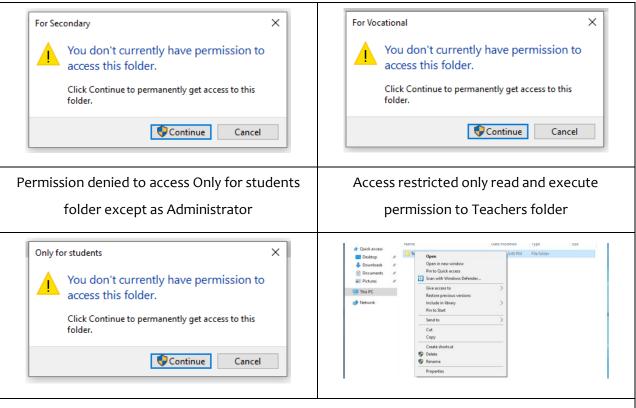
For this folder would be better to have a group called Teachers and apply permissions to it but there in only one teacher user so permissions are applied directly to this user.

Although, Teacher user belongs to Administrators group.







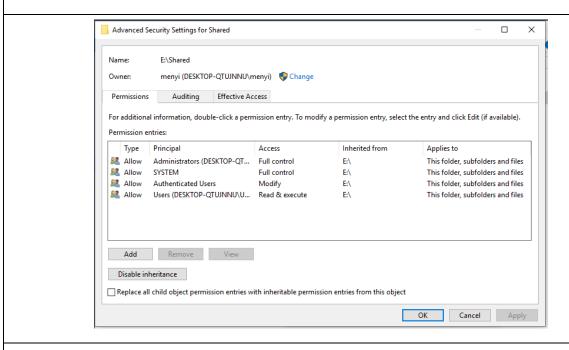


# Step 05 | Assign Permissions with inheritance

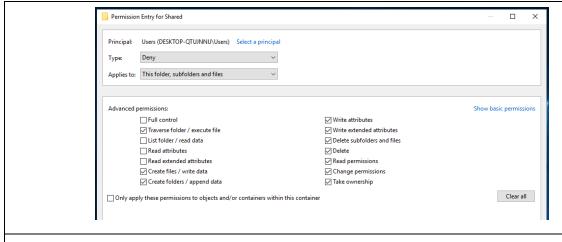
## Shared folder > Propierties > Security> Advanced

Due to inheritance permissions can't be remove or edit.

Add permissions to Allow / Deny since the most restricted permissions are applied



Add permissions to Deny for Users and Authenticated Users so they can only access to this folder

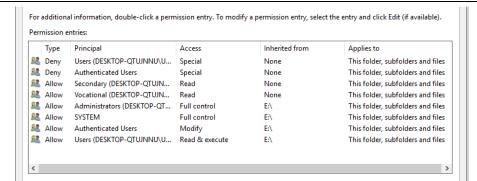


Add permission to Allow for Vocational and Secondary groups so they can access to Share folder but can't delete or create subfolder or files



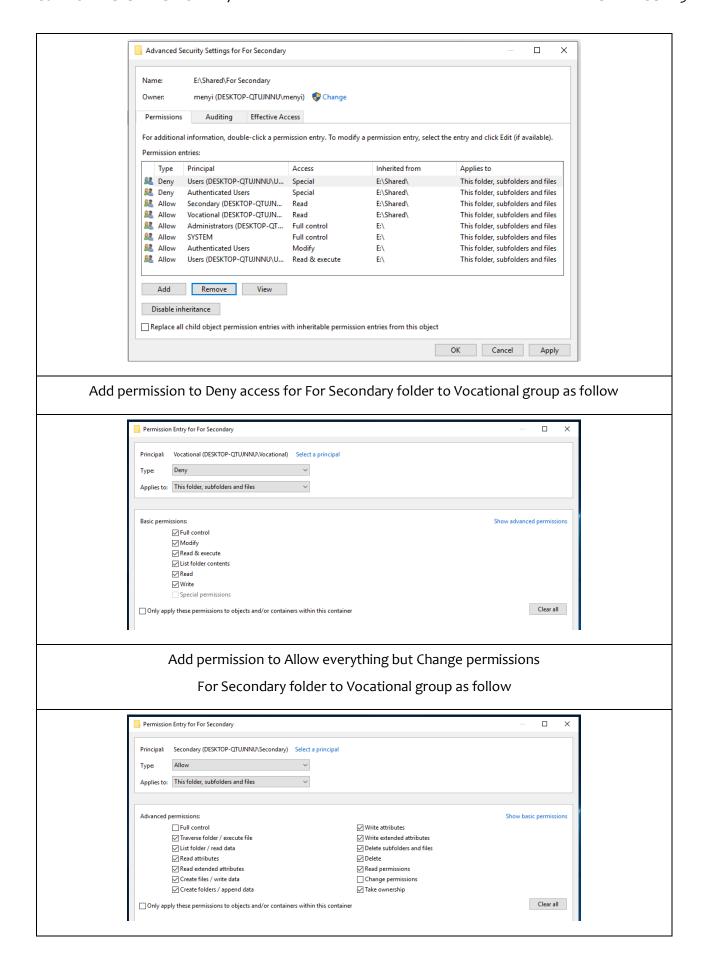


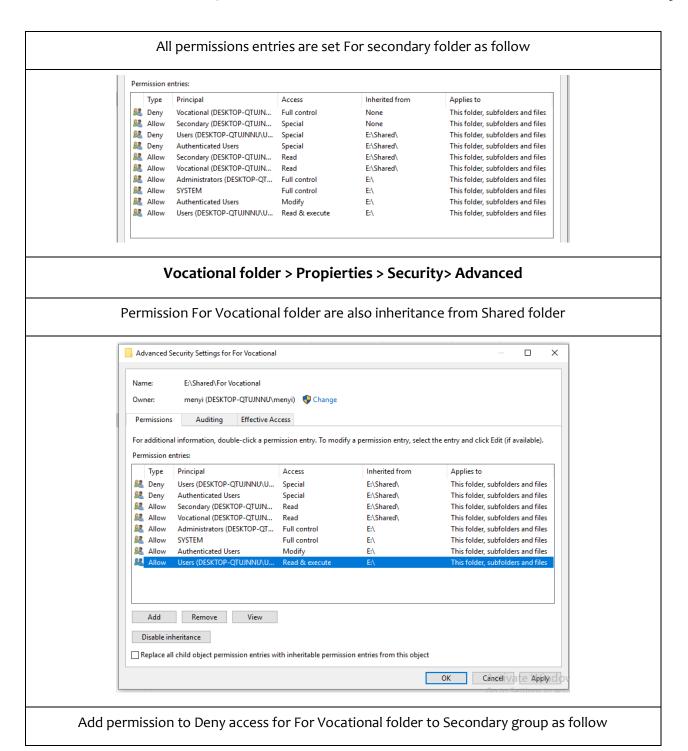
All permissions entries are set Shared folder as follow

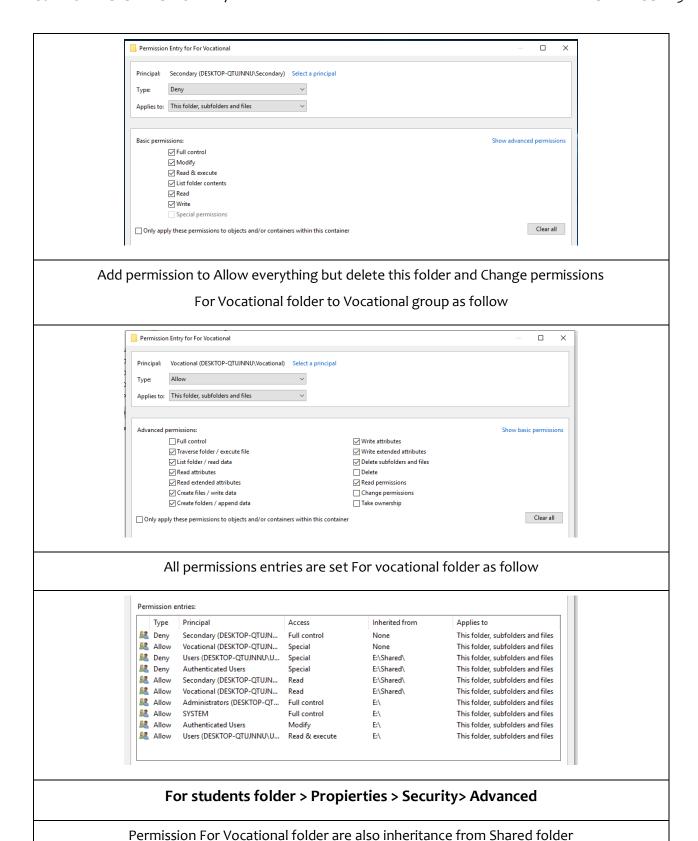


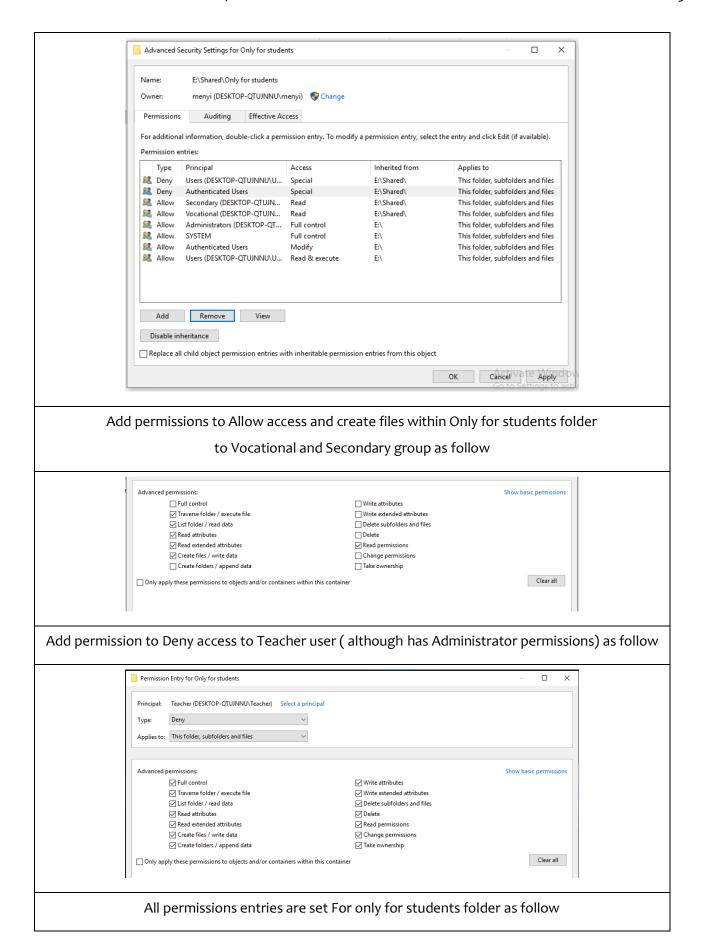
For Secondary folder > Propierties > Security> Advanced

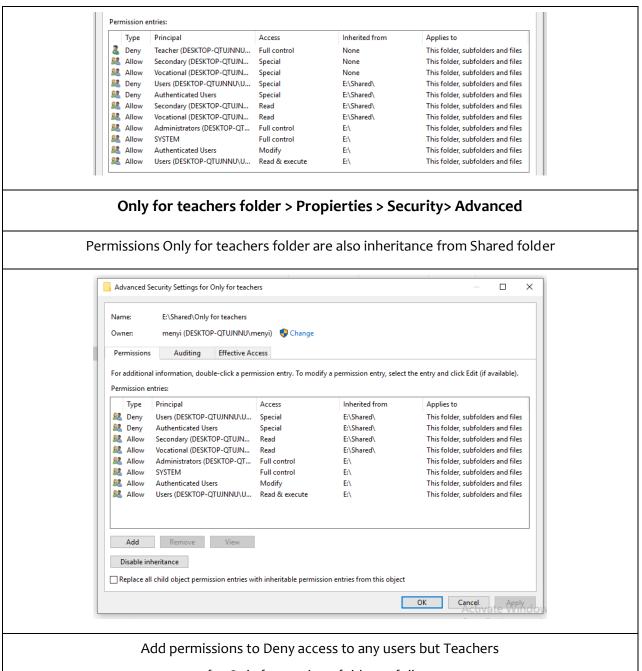
Permission For Secondary folder are also inheritance from Shared folder











for Only for teachers folder as follow

