

FVWG Demonstrator Assessment Criteria

Things that need to be considered are obvious, being a part of any instruction on lathe practices and are mentioned in many publications, however they need to be included here for the benefit of the Assessor and the candidate so that both are on the same page.

1. Setup

- The blank is correctly and securely mounted on the lathe.
- Appropriate speed has been selected.
- Tool rest set properly and clear of the blank.
- Spectator control is in place such as adequate distance from the operation or appropriate screening.

2. Personal Attire

- Appropriate clothing is worn with no pieces able to interfere with the lathe.
- No dangling items are worn such as jewelry, name tags, watches, etc.
- Appropriate face and eye protection is worn.

3. Choice of material and project

- The project should be of an appropriate size for the limited time available.
- The project should be simple enough to be completed in a limited amount of time.
- The project should not be offensive to the audience:
 - limited sanding
 - material does not have an offensive or dangerous odor
 - processes do not produce excessive smoke
 - Material that is free of defects which might cause catastrophic failure.

4. Tools and techniques – Basic techniques that should be observed:

- The appropriate use of the bevel when turning.
- Placement of the tool rest for height and distance from the project to insure proper tool contact.
- The correct tool rest height for scrapers, whether flat scraping or shear scraping, in relation to the type of cut, interior or exterior, in face plate turning.
- The selection of the appropriate tool to accomplish any particular task and that the candidate is comfortable with and confident in using it.