

# Safety Assessment - Vertical Metal Bandsaw

Instructor version, with answers

## Skills: Demonstrated by Student

- Set blade guides and blade guard to a safe height.
- Calculate the correct blade speed, and adjust it correctly.
- Safely cut a piece of metal - with and without a push stick.

## Written Evaluation

What is the shop policy on cutting composites with this saw?  
*It is not allowed; use the saw in the composites area instead.*

Why should you lower the blade guide and blade guard?  
*To help keep fingers away from the blade and/or reduce blade flex.*

How many teeth should be in the material for the best cut quality?  
*Three or more.*

What should you do in order to change the blade?  
*See Shop Staff; users do not change blades.*

Give two examples of safety best practices.  
*Wear safety glasses, avoid entanglement, use push sticks, keep the blade guard (or guide) ¼" above the material.*

Name two materials that cannot be cut on this saw.  
*Hardened metal, wood, composites (anything but metal and plastic).*

---

Student Name \_\_\_\_\_

Student ID# \_\_\_\_\_

Instructor Name \_\_\_\_\_

Instructor Signature \_\_\_\_\_

Date \_\_\_\_\_

# A P R O E

Advanced Prototype Engineering