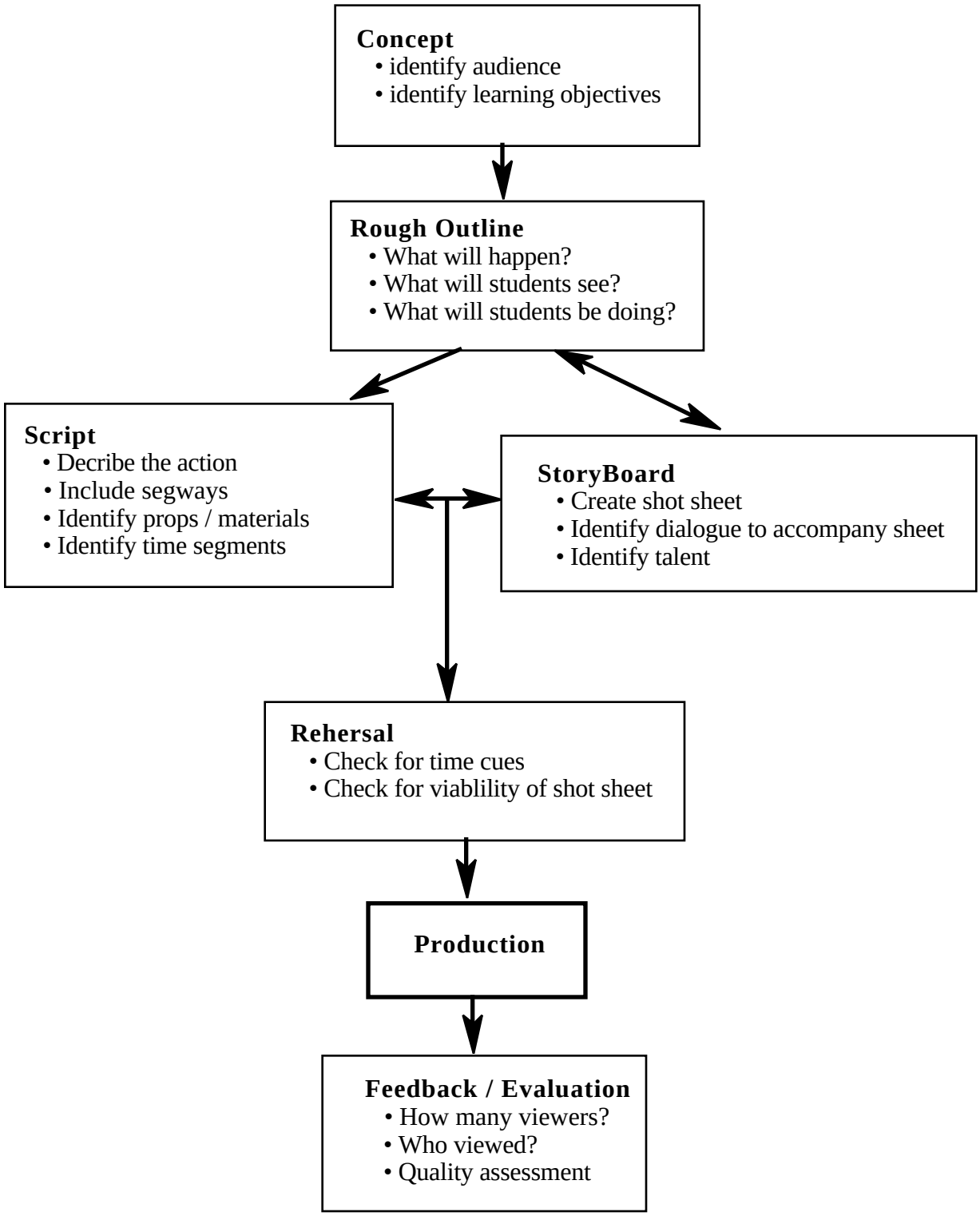Production Flow Chart