BIG FLOOR PLANS · COLLEGE & TRADES TRACK · 45 MINUTES

Check the Toilet Room: teacher script

Occupational-therapy, interior-design and construction students tape a single-user restroom at full size, check six clearances with a wheelchair route, and red-line what fails.

Prep: Tape a 7 ft x 8 ft room with the toilet, lavatory and grab bars at the as-designed positions on the scenario sheet. Make a 60-in turning loop. Print one check sheet per team.

Min	Step and what to do	Ask	Listen for
0-5	**Hook** "A few inches decide whether someone can use this room alone."	Where would you check first?	Turning space and the toilet.
5-25	**Measure** Teams measure the six checks with the tape and the loop.	Which fail?	Turning space: clear circle, Water closet centerline to side wall, Side grab bar length.
25-38	**Red-line** Teams write the smallest fix for each failure on the sheet.	Smallest fix for the centerline?	Move the toilet 2 in toward the side wall (to 18 in or less).
38-45	**Exit ticket** Individual exit ticket.		

Common misconceptions

- **Learners may think:** A big enough room is automatically accessible. **Address it:** Area doesn't place the toilet, bars or clear floor correctly.
- **Learners may think:** Grab bars can be any length. **Address it:** Each has a stated minimum length.

Supports

- Give the criteria card with each number and its section.
- Multilingual learners: label toilet, lavatory, grab bar and turning space on the floor.
- Mobility: a wheelchair user can lead the route test if they choose.

References

- **2010 ADA Standards for Accessible Design**: 304.3.1, 604.2, 604.3.1, 604.5.1, 604.5.2 as quoted (check your jurisdiction's adopted code)
- **Perkins V (CTE)**: postsecondary and secondary CTE program context

Scenario sheet

Single-user restroom, 7 ft x 8 ft, as designed. Criteria as quoted (2010 ADA Standards; check your adopted code): 60-in turning circle (304.3.1); water closet centerline 16-18 in from the side wall (604.2); clearance 60 in wide and 56 in deep (604.3.1); side grab bar 42 in minimum (604.5.1); rear grab bar 36 in minimum (604.5.2).

Check	As designed (in)
Turning space: clear circle	58
Water closet centerline to side wall	20
Clearance beside and in front of the water closet: width	62
Clearance beside and in front of the water closet: depth	56
Side grab bar length	36
Rear grab bar length	36

LEARNER SHEET · CHECK THE TOILET ROOM

Name _____ Date _____

Check	Measured	Needs	Pass / fail	Red-line fix
Turning space: clear circle				
Water closet centerline to side wall				
Clearance beside and in front of the water closet: width				
Clearance beside and in front of the water closet: depth				
Side grab bar length				
Rear grab bar length				

Exit ticket

1. A toilet centerline is 19 in from the side wall. Pass for 16-18 in?

2. A side grab bar is 36 in; it needs 42. Short by?

3. Name one check that needs a circle, not a line.

Answer key

Check	Measured	Needs	Result
Turning space: clear circle	58 in	60 in	fails
Water closet centerline to side wall	20 in	16-18 in	fails
Clearance beside and in front of the water closet: width	62 in	60 in	passes
Clearance beside and in front of the water closet: depth	56 in	56 in	passes
Side grab bar length	36 in	42 in	fails
Rear grab bar length	36 in	36 in	passes

Fixes: open the turning space 2 in (move the lavatory or swing the door out); move the toilet 2 in toward the side wall; use a 42-in side grab bar.

Exit ticket

1. A toilet centerline is 19 in from the side wall. Pass for 16-18 in?
   Answer: No: 1 in too far.
2. A side grab bar is 36 in; it needs 42. Short by?
   Answer: 6 in.
3. Name one check that needs a circle, not a line.
   Answer: The 60-in turning space.

Scoring: 1 point each, plus 1 for complete red-lines. 3 or more = secure.

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