



Royal Rangers

Merit Requirements: **Blue-Bordered Merit**

RAILROADING

1. Do ONE of the following:
 - a. Visit a model railroading club.
 - b. Visit a railroad museum.
 - c. Watch a Pentrax train video.
2. Do ONE of the following:
 - a. Attend a model railroad show.
 - b. Take a ride on a train.
 - c. Visit a garden railroad.
3. Make a list of ten railroad names (past or present).
4. Locate the Amtrac station nearest you.
5. List six different types of freight cars used on railroads.
6. Name ten types of cargo shipped in freight cars.
7. Do ONE of the following:
 - a. Lay six feet or more of cork roadbed, track, and ballast.
 - b. Construct a railroad station building kit (plastic or laser kit).
 - c. Draw to scale the layout of the model railroad you would like to build.
8. Define switchback.
9. List six manufacturers of model railroading supplies or equipment.
10. Determine, in HO scale, how many feet are represented by three inches.
11. Define ballast and tell what it is used for.
12. Write where the engineer and the brakeman ride on a locomotive.
13. Record the speed limit in a railroad yard.
14. Write in what type of engine a whistle was used.
15. Determine how many forty-foot cars are in a mile.
16. Name three types of fuels used in steam locomotives.
17. Define "EOT" and tell what it replaced.
18. Tell what kind of railroad used Shay engines.
19. Name three types of locomotive power.
20. Match the scales in line 'b' with the model railroad gauge names in line 'a':
 - a. G, Z, S, O, N, HO
 - b. 1:220, 1:48, 1:32, 1:87, 1:160, 1:64