

STEM* is all around us.

At **Burns & McDonnell**, our professionals plan, design and build critical infrastructure to help our communities.

Look around your home and take a walk outside to explore your world through the eyes of an engineer, construction professional, architect, planner, technologist and/or scientist. Mark items for a five-in-a-row bingo or see if you can cross off all the squares. Use the question prompts to further your understanding through research.

**STEM is science, technology engineering and math.*

TRASH OR RECYCLING RECEPTACLE Where does your waste end up?	STEEL STRUCTURE What is the structure's function?	PAVEMENT MARKINGS How do the colors and symbols direct traffic?	LIGHT SOURCE What are the lights illuminating?	FIRE HYDRANT How many fire hydrants do you see in your line of sight?
TRAFFIC SIGNAL How do the colors, symbols and timing direct traffic?	MAINTENANCE HOLE COVER Stormwater or sanitary sewer?	RETAINING WALL What is the wall's function?	WOOD STRUCTURE What is the structure's function?	RENEWABLE ENERGY RESOURCE Does (or could) your community support wind, solar or hydro (water) power?
DRINKING WATER SOURCE (aka "potable water") Who is your water provider? How does the water arrive safe to drink?	PREPACKAGED FOOD What manufacturing steps did your item go through to become ready-to-eat?	FREE SPACE 	FOUNDATION Basement, crawl space, concrete slab or wood?	BEAM (horizontal support) What is the beam supporting?
MASONRY STRUCTURE (brick, stone or concrete blocks) What is the structure's function?	TELECOM SERVICES Phone, cable, fiber or wireless infrastructure?	HOME APPLIANCE What is the appliance's function? How many parts are required to operate it?	POWER LINE (aka "distribution line") Where is the power coming from?	ROAD Concrete, gravel or asphalt?
COLUMN (vertical support) What is the column supporting?	TRAFFIC OR PEDESTRIAN SIGN How does the signage help keep you or vehicles safe?	HEATING SOURCE Gas, electric or fossil fuels?	STORMWATER INLET Where is the inlet collecting water from?	POWER METER (typically mounted on exterior wall) Who is your electrical utility provider?