Try-A-Trade® Takeout Activity Summaries – 2025-26 (V1.0)

Shoot the Moon

In this activity students use drills, screwdrivers, measuring tools, and marking implements to transform raw wood into a fun tabletop game. In the construction industry, carpenters use these tools and methods to construct buildings.

Curriculum connections to explore:

- Safety
- Motor skills
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations, statistics and probability, variables and equations, graphical reasoning
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Road Sign

Following precise techniques that print technicians and signmakers use in industry, students prepare and assemble realistic signage using multiple types of adhesive vinyl and plastics.

Curriculum connections to explore:

- Safety
- Motor skills
- Fine arts
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Connector Loop

In this activity, students prepare wiring materials and components typically used on heavy equipment for assembly into a keychain or bracelet loop. The same operations performed in this activity are used to create wiring harnesses for some of the largest offroad vehicles in the world.

Curriculum connections to explore:

- Safety
- Motor skills
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Photo Frame

Working with soft copper tubing, students will form bends, measure angles, and use specialized tools to create a desktop photo holder. Refrigeration technicians, among other trades, use these skills to manufacture and maintain heating and cooling equipment in both residential and industrial applications.

Curriculum connections to explore:

- Safety
- Motor skills
- Fine arts
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Brick Arch

Students can easily approach the masonry trade using the small bricks, tools, and premixed mortar supplied in this activity. Bricklayers use identical tools, techniques, and materials on a larger scale to create strong walls and foundations.

Curriculum connections to explore:

- Safety
- Motor skills
- Fine arts: architecture
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Laser Tripwire

In this activity, students work with basic electronic components to assemble a low-voltage circuit which acts as a signaling device. These components are the building blocks of electronic devices that technicians build and maintain many industries.

Curriculum connections to explore:

- Safety
- Motor skills
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations, statistics and probability, variables and equations, graphical reasoning
- Science: matter and energy, electrical principles and technologies, electromagnetic energy, heat and temperature, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Basketball

Using prefinished wood, dowels, screws, glue, and sandpaper, students assemble a tabletop basketball game. These skills are used by cabinetmakers to manufacture and install furniture, interior trim, and more.

Curriculum connections to explore:

- Safety
- Motor skills
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations, statistics and probability, variables and equations, graphical reasoning
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Leather pouch

This activity allows students to transform died leather into functional and fashionable accessories using only a few tools. Leatherworkers, dressmakers, tailors, and textile manufacturers rely on the same techniques to repair and construct products for many industries.

Curriculum connections to explore:

- Safety
- Motor skills
- Fine arts
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Shop Dustpan

Students measure, fold, cut and punch thin sheet metal to turn raw materials into usable tools in this activity. Sheet Metal Workers rely on the same tools and techniques to install and service ductwork, equipment covers & heat shields, roofline trim, and more.

Curriculum connections:

- Safety
- Motor skills
- Fine arts
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- Science: matter and energy, mechanical systems, structures and forces
- High school Career and Technology Studies, Special Projects

Sushi Rolling

Using simple ingredients and utensils, students craft a traditional dish now served across the world. Culinary artists use the same tools and methods to create the dishes you enjoy at every restaurant.

Curriculum connections:

- Safety
- Motor skills
- Culinary arts
- Language arts: comprehension, vocabulary development, fluency
- Math: measurement, unit conversions, shape and space relations, number sense and relation, fractions and decimals, geometry, patterns and relations
- High school Career and Technology Studies, Special Projects