

Custom Cork

Shared by: K-12 Maker Lab Team

Specialized tools and materials used:	Experience level required:
Laser cutter and graphic design software	Beginner
Cork coaster blanks	Beginner

Grade Level and Subject (of this example): 9 - 12th Grade Spanish

Topic/Content Standards (for this example): Idioms, Spanish Language



Summary of Project: Students studying Spanish idioms created two-sided laser cut cork coasters to demonstrate their grasp of the concept and language through a creative and expressive medium. One side features the Spanish idiom phrase, and the other features an illustration of the phrase's meaning. Students created designs using a graphic design platform such as Vectr.com, or Google Slides, and processed them through the laser cutting workflow in their Makerspace to physicalize their designs. Cork is an eco-friendly material that can be used to create puzzles, boxes, games, custom cork boards, and more.

Suggested resources

- Graphic design tools: Vectr, Google Slides, Gravit, Cuttle, Canva, Inkscape
- Convert images and files to SVG format: picsvg.com

Possible Content explorations

- **Foreign Language:** idioms, important cultural objects, sites, or architecture, vocabulary memory games or puzzles
- **Math:** functions and equations, constructing 3D shapes from cork, tessellations, custom pushpin graphing tool for desktop
- **Science:** elements and atomic symbols, chemical compounds and applications, collaborative food web