



a WOW Lab  
**BLUEPRINT**

# Light-Bending JELL-O

## Introduction

This activity puts a colourful twist on a standard optics lesson. In *Light-Bending JELL-O*, students will cut shapes out of JELL-O and will then bend a laser beam through the shapes to complete four missions. Instructions are included for setting up a Spy Academy, cards to print out for the four different mission stations and a certificate to present to students upon completion.

Students will apply Snell's law while navigating an optical maze. They will also explore total internal reflection, waveguide phenomena and colour absorption. They can even calculate the speed of light in JELL-O. Once the lasers are purchased, there is minimal cost for repeating the activity in subsequent years.