

## Introduction to the Designing and Making Activities

### When is it best to use these?

They are ideal to use after you have worked on the principle and main activities and wish to find out how well your students can find and apply knowledge in designing and problem-solving. Each assignment is cross-referenced to the principle and main models. Students will creatively adapt their previous experiences with pneumatic concepts to solve the design task.

### How to use them?

The assignment page is intended to be printed and handed out to your students. The page describing objectives, motivation, etc. is for you.

### How to customize the designing and making activities to fit your students.

For the less experienced designers, or where you may need more control over materials, hand out the assignment while providing a specific design brief. A design brief can limit the range of possible solutions, and make it easier to compare the various ideas that students come up with. For experienced designers, just giving students the assignment section should be enough for them to start designing.

