

	Week 1 14.9	Week 2 21.9	Week 3 28.9	Week 4 5.10	Week 5 12.10	Week 6 19.10
Problem Solving	Exploring Symmetry with the Mirror of Erised LO: To identify lines of symmetry in 2d shapes. Use the NRICH task 'Let us Reflect' to explore symmetry and to refresh chn's knowledge of 2d shapes.	Spiders Lizards and Bats LO: To solve problem systematically. Chn work out the number of insect legs required to save the teachers from being turned into frogs!	Magical Money LO: Estimate, compare and calculate different measures, including money in pounds and pence. The children have a go at converting muggle money into wizard money. https://www.atm.org.uk/wri/te/MediaUploads/Journals/MT180/Non-Member/ATM-MT180-23-27.pdf https://www.tes.com/teaching-resource/magical-maths-harry-potter-problem-solving-6409193	Oh Harry! LO: To measure and compare ml and litres. Chn use their problem solving skills and knowledge of litres and millilitres to solve this NRICH task.	Potions LO: To measure and compare ml, litres grams and kilograms. Chn carefully measure various ingredients to make potions.	Hogwarts Floor Plan LO: To measure the perimeter of a shape. Chn create their own floorplans of Hogwarts using squared paper. They measure the perimeter in cm then scale up to the scale of 1cm:1m. https://www.tes.com/teaching-resource/magical-maths-harry-potter-problem-solving-6409193 https://www.mathbits.com/MathBits/MathMovies/HarryPotter.pdf
Design & Technology	Moving Picture Books LO: To explore and evaluate a range of existing products. Introduce the idea that we are going to make magical moving picture books based on Harry Potter to introduce young children to the world of Harry Potter. The chn investigate a range of picture books and find out how they work.	Pop ups LO: To investigate simple paper mechanisms. The children explore how simply folding paper can create pop-ups. They investigate how these work through practical application.	Levers and Linkages LO: To understand and use mechanical systems. Chn find out about levers and linkages. We discuss how these are used in books and also in real life. The chn make their own levers and linkages from card.	Designing LO: To use research to design a moving picture book. The chn work in a group of three or four to design one or two double pages of a magical moving picture book.	Prototype LO: To develop and modify design ideas. The chn make a mock-up of their moving page. This must include at least three moving parts and at least one of these must be using levers and linkages.	Making LO: To create an appealing product. Chn make their final page or pages of their moving picture book. This will continue into next term.