

# Learning Flow

## Year 3 & 4 Term 1 & 2 – Structures

What do we already Know?  
Topic Page – Prior knowledge ,  
What do we already know? What  
questions do we have?

### Research – What already exists?

- What kinds of structures with a lever and linkage already exist? How do they work? Are they sturdy? Easily Broken?
- Identify techniques

### Knowledge. Technical Workshops.

- Levers
- Linkages

### Design Criteria

- Design Criteria – Design a catapult with a lever and linkage that the Romans could use

### Develop

- Ideas
- Draw and label design & refine
- Plan the process/instructions
- Any technical knowledge needed

### Make

- Use design to make your catapult
- Select material, tools and equipment
- Measure and cut accurately
- Join safely and securely

### Evaluate

- Does it fit design criteria?
- Does it move smoothly?
- What could you have done differently?