Learning objective
• To be able to identify geometric shapes and constructions.

Learning outcome
• To produce a design for a replica of a famous building made of sweets.

Book Reference
• Chapter 23: Square Sweets that Look Round.

Cross-curricular link
• Numeracy, Geometry, Geography.

Resources
• Sweets that can be easily cut; plastic knives; pictures of famous buildings and landmarks from around the world; large pieces of paper for drawing designs.

Starter
• Learn or revise different geometric shapes.
• Give each child a sweet that can be easily cut. Tell the children to cut the sweets into particular geometric shapes, such as a rectangle, a square, a right-angled triangle, and so on.
Main teaching activity

- Read chapter 23 with the class.
- Divide the children into groups.
- Explain that each group is a team of Oompa-Loompas working for Willy Wonka. Willy Wonka has been asked by tourism boards around the world to make mini replicas of famous landmarks, such as The Taj Mahal, the Sydney Opera House, the Colloseum, Big Ben, the Empire State Building, the Great Wall of China, the Eiffel Tower, the Leaning Tower of Pisa, Niagara Falls, and so on.
- Allocate each group a different landmark from the list above.
- Groups research facts about their construction: its location, its function, and so on.
- Groups discuss what sweets or chocolate shapes would be needed to make the construction, and whether the chocolates and sweets would need to be cut into particular geometric shapes.
Group or independent activity

- Groups produce a design on paper for a replica of the famous building made of sweets.

Plenary

- The class decide upon success criteria – e.g. most imaginative, strongest, cheapest, easiest to make, most unusual, etc.
- Groups present their designs to the class, explaining how the designs use particular geometric shapes.
- The class evaluate how the designs fit the success criteria.

Other activities

- In role as Oompa-Loompas, the children try to pitch their design to Willy Wonka, to sweetshops or to the tourism board of the country of their landmark.
- Make an advert for the amazing new chocolate replica landmark.
- Make the replica constructions using chocolate and sweets, logistics allowing.