

This template is in wide-screen format and demonstrates how transitions, animations, and multimedia choreography can be used to enrich a presentation.

OUR MISSION

Our Mission

· In the middle school context

The Task

• Math Olympic Medal

The Tools Used

- · Quiver: Augmented Reality
- Makers Empire: CAD software
- 3D printing and model making

Student Outcomes



Outline Presention

Our Mission

- Timeframe
- 3D printing at our campus

THE TASK

Brief

Congratulations, your medal design company has been asked to submit a design for the 2016 Rio Olympics. Your design should include a variety of prisms and/or pyramids. The complexity of your design will determine if your design is suitable as a gold, silver or bronze medal.

Design Criteria

GOLD: A complex design made up of composite shapes, using positive and negative spaces.

SILVER: A design made up of complex or composite shapes.

BRONZE: A design made using a basic shape

Design Restriction

- No Circles
- No larger than 8cm Width x 8cm Length x 4cm Height

Modified – Keep in Context (Commonwealth, Athletics Carnival, Swimming, World Cup, etc.)

Differentiation

HOW DOES IT RELATE TO MATH? In a booklet provided students, they had to use their medal to identify and calculate the following: Identify 3D Shapes Perimeter Finding the perimeter of the base shape Area Find the area of one face from model Volume & Capacity Calculating how many mL of liquid gold would be needed to create their medal









