

# NOTICE

The IMTA-STEPS Hotel Group is applying for permission to build a new hotel on a green-field site in your town.

The project is currently in the planning stage. Before the establishment of any infrastructure and as part of our commitment to greater inclusion of the local community, we are inviting submissions from TY students to design the layout of the function room at the hotel.

A portfolio of design submissions will be judged by appointed referees and the winning designer will be awarded a prize valued at €400 sponsored by Engineers Ireland STEPS programme.

The teacher of the winner will be awarded a prize to the value of €100.

As part of the challenge the winner will be invited to choose the name of the room.

Interested?

## THE PROJECT

Design and layout a function/banquet room for our hotel to seat, at most, 200 guests as follows:

The room contains a rectangular top table to seat 20 guests. The table is centred on one wall and all guests are seated on one side facing the remainder of the guests.

All other guests are to be seated in groups of 12 at circular tables.

### **Tables' inventory:**

Rectangular table: 1 metre wide. Allow 70 cm per person for each place setting.

Circular tables: Allow 65 cm per person along the circumference of the table for each place setting.

Guest space at tables: Guests are allowed push their chair back 65 cm from the table to facilitate entry to their place.

### **Health and safety:**

There must be clearance of 70 cm behind each Guest Space to allow for table service.

There are 3 entry/exit doors to the room, each 2 metres wide and the area in front of the doors (within the room) must be kept clear for a distance of 3 meters. These doors are to be strategically placed to allow ease of evacuation in case of emergency.

There are 2 doors serving the kitchen area each 1.5 metres wide and 1 metre apart. The area in front of these doors must be kept clear for a distance of 3 metres.

The bar area is 4 metres in length and the area in front of the bar must have clearance to a distance of 2 metres.

## YOUR SUBMISSION

**Item 1:** Write down the optimum internal dimensions of the room which would accommodate the needs of the hotel using the criterion of minimum area.

**Item 2:** Include a 1:100 scale drawing of your room design, indicating clearly the position of all the features included. You should state the reason(s) you positioned each of the features in the plan.

**Item 3:** Include your proposal for the name of the room. You may choose any name for the room, including a local reference or a reference to a *feature* in your proposed room which does not require an increase in the finished floor area.

**Item 4:** The Hotel Group also wishes to use the room as a Conference Centre with theatre style seating. Each seat is 55 cm in width, 50 cm deep (from back to front), and the clearance between each row of seats is 50 cm. NOTE: The seats in each row must be attached to one another.

The space for the top table is retained and the rows of seating are placed parallel to and facing the top table. There is a clearance of 2m between the top table and the front of the first row of seats.

There will be an aisle measuring 1.6 metres along either sidewall as well as a centre aisle 2 metres wide. There is an access aisle 1.6m wide (in addition to the 50 cm clearance between seats) between the 10<sup>th</sup> and 11<sup>th</sup> row running parallel to the rows of seating.

There is no clearance area at the bar or service area during a conference.

With these constraints, find how many conference delegates can be accommodated in your function room.

**Item 5:** Use the World Wide Web to find and list two Irish companies which could manufacture the tables and/or the chairs for your room. Recommend one of these companies, stating the reason for your choice.