

St. Ignatius College - Young Scientist Competition 2024

Terms of Reference and General Information

The Young Scientist Competition (YSC) is a competition aiming at **designing or creating a model or to produce any other creation or any other invention** related to a specific **Year 4** topic.

The theme chosen for this year is in line with Learning Outcome 8 as listed below:

Learning Outcome 8 How do things move?			
	LEARNING OUTCOMES Children will be able to:	Key vocabulary	Learning Opportunities
<i>Forces</i>			
4.8.1	I can explain what force is and give examples of different types of forces	friction surface rough smooth slows down heat	Explore different types of forces, namely push, pull, twist.
4.8.2	I can demonstrate that friction is a force that opposes the movement of one surface over another.		Investigate friction over different surfaces e.g. carpet, wood, plastic, tiles etc
4.8.3	I can demonstrate a situation in which friction produces heat.		Explore everyday life situations when friction is useful and when it is not.
4.8.4	I can give examples of when friction is useful and when it is not.		

Participants will be expected to build a **structure or a working-model highlighting elements of forces** within the same model whilst incorporating **specific components of friction and its impact in real-life situations**. Some examples include charts, building of sporting cars, slides, ramps, different surfaces, ice-skating, gears, making fire etc

Participating Schools: Luqa Primary, Siggiewi Primary, Qormi SB Primary, Qormi SG Primary, Żebbuġ Primary

Gifts will be distributed as follows:

- Best School project (5 schools)
- Best runner-up (5 schools)
- School with the best participation rate

A **certificate of participation** will be given to all participants

Projects will be exhibited during a special assembly and students will be requested to do a brief presentation of their project and they will be judged on that as well as on other criteria.

Other Criteria & guidelines

- Duration:** timeline stretches between **11th March till 8th April 2024**
- Eligibility:** All students of all Primary Schools. Participants must work on individual projects
- Applying:** Students who wish to enter the competition need to inform the Schools' Assistant Head with the title of their project and a short brief
- Topics:** Design your own Model; build **a structure or a working-model / produce any other creation or any other invention highlighting elements of forces** within the same model whilst incorporating **specific components of friction and its impact in real-life situations**
- Exhibition:** All submitted projects will be exhibited during a Special Assembly at school post STEM Week and eventually during Awards Ceremony too
- Awards Ceremony:** Luqa Primary May 14th
- Judges:** Head of Department – Science Education
Esplora representative
School/College STEM committee representative