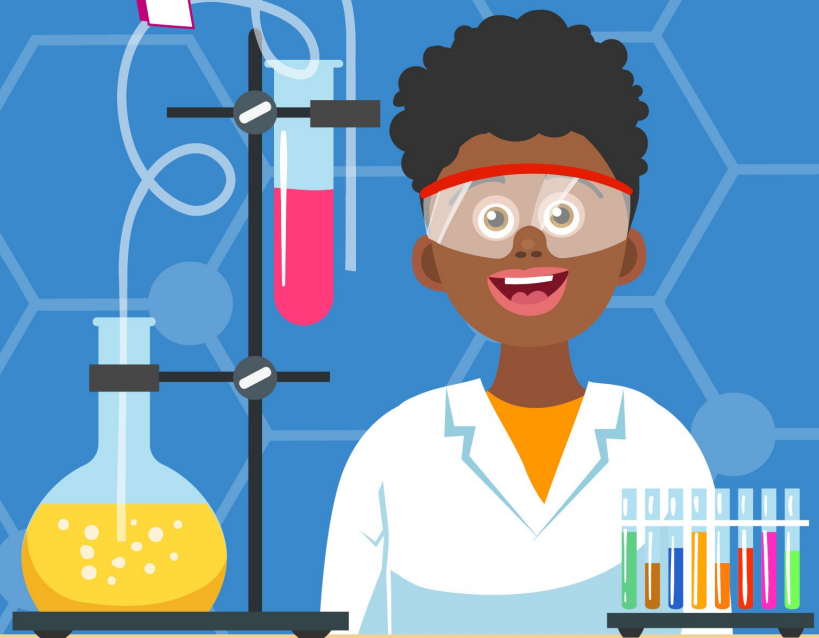




#STEMGlasgow

# SUPER DUPER SCIENCE FAIR



Friday 27th March 2020

Glasgow City Chambers

P1-P7

9:30am—2pm

# Who is the Super Duper Science Fair for?

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P1– P7 pupils



Up to 3 teams per school



Up to 5 pupils in each team



Teams can be made up of different year groups, however we ask that this is done so by level. If in a mixed group, P1's can join 1st level.



There will also be great science workshops to participate in on the day.



## How do you sign up to attend?

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Complete the attached form



Send to [stem@glasgow.gov.uk](mailto:stem@glasgow.gov.uk)



Send by **28th February 2020**



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# What to do?

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Establish a team/s.



Decide on what you are going to investigate.  
Choose something that you will enjoy learning about.



Create a plan of what you are going to do. There is a Gantt chart at the back of the booklet to help do this.  
Remember to keep notes and pictures that can be used for your display and presentation.



Design an experiment making sure that a fair test is planned for.



Collect and analyse the results. What is the conclusion?



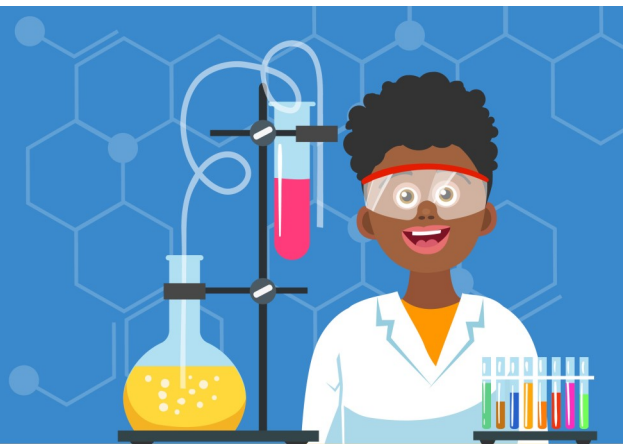
Create a display outlining your experiment from start to finish.



Prepare a short presentation to share with the judges on the day.

  
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# What should the display include?

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School name and team members names.



Title of the project.



Aim of the project, what are you hoping to find out? This should be different from the title.



Research undertaken.



Examples of data collected. This can be in the form of a table or pictures with captions and level appropriate.



Results can be shared using a graph appropriate to level.



A conclusion should be made by comparing the results and the research.



An evaluation of the project could include, what went well?, what would you do differently?, what are the next steps?

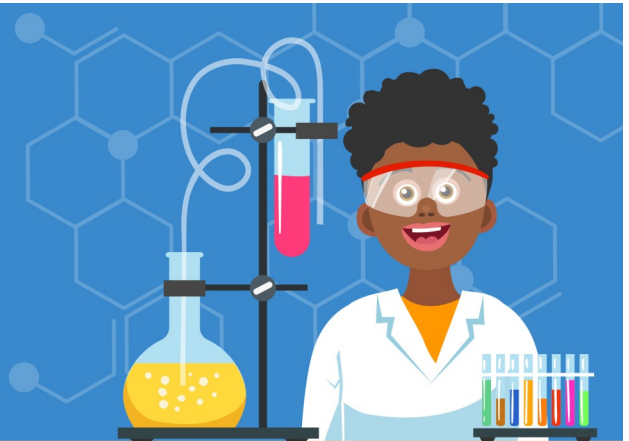


Be as creative as you wish to show off your great project.



  
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# What should the presentation include?

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There will be a short presentation (lasting no more than 5 minutes) to explain your project.



All pupils will be encouraged to participate in the presentation in some form.



The judges will then ask some questions (level appropriate) to the pupils regarding their project.

## Prizes

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There will be a number of prizes up for grabs on the day however the main goal of the Super Duper Science Fair is to encourage the pupils to participate in experiments, improving their scientific thinking skills and sharing this with others.



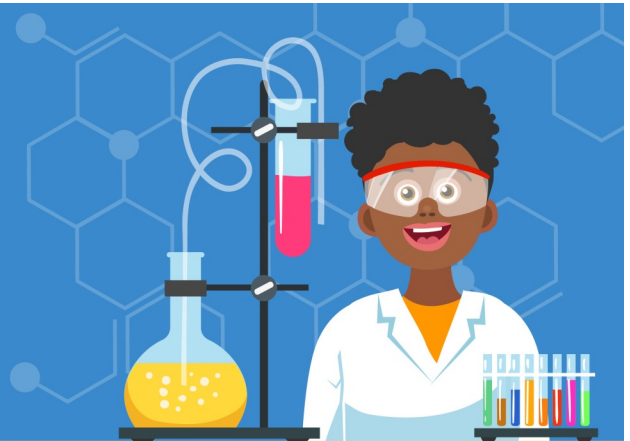
All judging will be level appropriate as will be what is expected from each team.



Prize categories: Best Project, Pupil Choice, Earth & Environmental Science and E, 1st & 2nd level prizes.

  
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Does your project have:



**Title**



**Aim** (What are you trying to find out?)



**Research** (The science behind the investigation)



**Method** (What you are going to do?)



**Results** (What happened?)



**Analysis** (Compare the results and research)



**Conclusion** (What was found?)



**Evaluation** (What went well? Was it as expected? What would you change? etc.)



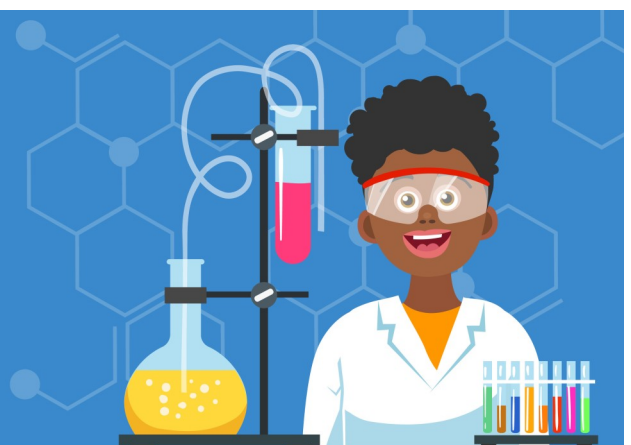
**Display**



**Presentation**

  
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# What is a fair test?

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A fair test begins with a question.



What is going to be investigated and how is this going to be measured?



In a fair test two or more things are compared.



To make sure the test is fair, the pupils are required to only change one thing (variable). They can however test a number of variables if this would better support their project.



All other elements of the test remain the same each time the test is carried out.



Record the results and then compare these.



Make a conclusion based on what the results have shown?  
Is this what was expected?

  
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# Gantt Chart

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Team name						
Initial Ideas						
Research						
Title						
Aim						
Method						
Results						
Analysis						
Conclusion						
Evaluation						
Display						
Presentation						



# Super Duper Science Fair

Friday 27th March 2020

Glasgow City Chambers

9:30am – 2pm

Please return by 28th February 2020

School	
Staff Member	
Email	

The details below can change however we are just looking for an indication to ensure that we have appropriate workshops for the pupils attending. Each school can bring up to 3 teams with a maximum of 5 pupils in each team.

*If the teams are from mixed year groups we ask they are mixed within a level. If P1's are included in a mixed team they can join 1<sup>st</sup> level*

Please highlight the level for each team. Please leave blank if extra teams are not required.

	Team 1			Team 2			Team 3		
Level	E	1 <sup>st</sup>	2 <sup>nd</sup>	E	1 <sup>st</sup>	2 <sup>nd</sup>	E	1 <sup>st</sup>	2 <sup>nd</sup>

Along with presenting their projects to the judges and their peers on the day, there will be science workshops provided by Glasgow Science Centre that the pupils will take participate in.



Pupils are required to bring a packed lunch.





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