

# SCHOOL NOTICEBOARD: SELKIRK HIGH SCHOOL

THE latest from behind the scenes at Selkirk High School...



Selkirk High pupils with their model of the shanty town

### Geography

S3 pupils in geography have been learning about the shanty town of Dharavi, Mumbai. In groups they came up with ways in which they would improve the area. Lewis Mitchell, Oliver McClymont, Ryan Wiseman, Finlay Skeldon and Beck Robertson made a very good model of their vision and Luisa Brown, Aela Thomson, George Brownlie, Tom Bell and Arran Hogg made a fantastic video 'interviewing' local residents.

### Maths

Pupils of the Month of October for mathematics are:  
S1: Callum Mann, Finlay Kelly and Jayden Brown.  
S2: Fiona McGurk, Jamie McDowell and Katie Jack.

S3: Leo Dobbie, Mac Cleghorn and Alistair McGilp.  
S4: Sam Douglas, Angus McIntyre, Emma Borthwick and Gully Turner.  
S5: Ella Penman, Sophie Speed and Cara Paterson.  
S6: Sean Renwick and Sean Martin.  
Well done from the Maths department.

### Maths Circle

As mentioned in our school news last week, the next Virtual Maths Circle will take place on Saturday, November 14 from 10am to 12:30pm. To facilitate interaction and better tailor the activities, this Maths Circle will be split into two slots: First slot: 10am-11am for age 7-11; second slot: 11:30am-12:30pm for age 11-14.

You are welcome to attend either of the slots, or both, according to your preference and the age of the children. The event is free to attend but booking is required. For further details about the event and to book a ticket (free of charge), please visit the links below:  
First slot: 7-11 years old (upper primary school) [www.eventbrite.co.uk/e/virtual-maths-circle-november-2020-first-slot-age-7-11-tickets-127283714015](http://www.eventbrite.co.uk/e/virtual-maths-circle-november-2020-first-slot-age-7-11-tickets-127283714015)  
Second slot: 11-14 years old (lower secondary school) [www.eventbrite.co.uk/e/virtual-maths-circle-november-2020-second-slot-age-11-14-tickets-127285029951](http://www.eventbrite.co.uk/e/virtual-maths-circle-november-2020-second-slot-age-11-14-tickets-127285029951)  
Please remember that all minors will need to be supervised by a parent/guardian for all the duration of the online event. We hope to see many of you at our



Science students carrying out an experiment

### Maths Circle.

### Science

S1 science pupils have been learning about different types of heat transfer. This week 1f2 were investigating convection. They first recorded convection in a liquid using potassium permanganate crystals in water and used clips on their iPads to describe what was happening with the particles. Then, using paper spirals and a lamp they were able to show convection in gases.

### S3 Technologies modelling

Modelling is a big part of designing, and our S3 technology students achieved some great marble run models. Students needed to add stallers,

those are strips of card on an angle leading onto another strip of card, this postponed the momentum of the marble, forcing it to change direction.

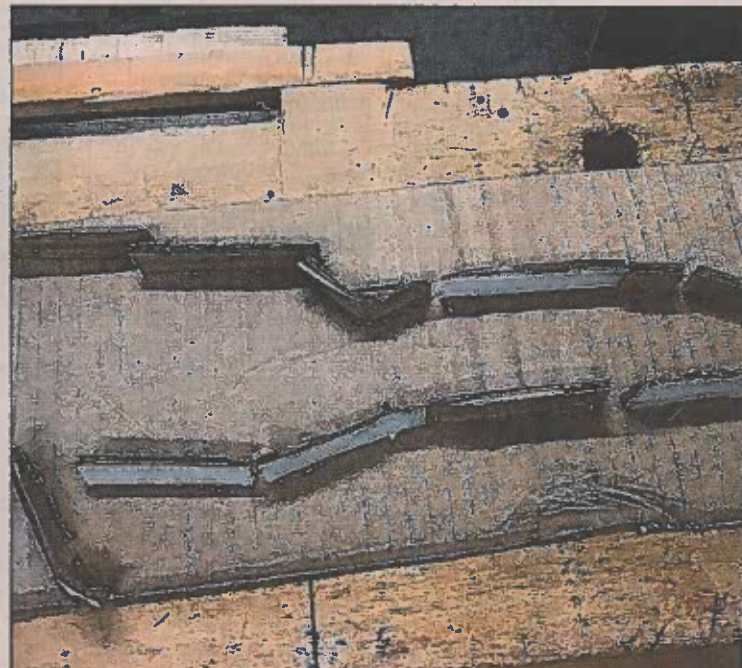
### Marble run

We couldn't decide on one design so decided to do two and worked together to solve each others problems with the design we were creating. I was tasked to create the wall and had to work out the width of gaps needed for the marble to complete the course (width of the run and gaps needed for the marble to drop through). When the whole run was completed it took a total time of 07.92 seconds and a total of 4, 50 minute blocks (3 hours and 20 minutes to complete).

By Chloe McAllister



Students used pieces of card to build their models



An example of one of the marble runs



Pupils have been learning about types of heat transfer