**SOCIAL & PUBLIC HEALTH SCIENCES UNIT:OFFICIAL BRIEFING**

***The situation***

There has been an outbreak of new, infectious disease in Edinburgh.

Scientists from the Social & Public Health Sciences Unit have reason to believe that the disease is going to spread to Glasgow, and fast.

A vaccine has been created, but supplies are low…

***Your help is needed!***

The scientists need to know which Glasgow school is most likely to be hit by the disease first, so they can dispatch the vaccine and prevent the disease spreading

***What we know so far***

The scientists believe that people who live in cities are at highest risk. Because they are busier and it is harder for people to keep 2 meters apart.

Schools that have lots of pupils who live in cities will be most at risk.

***Your challenge***

Your team, ***The Environment Team***, has access to neighbourhood data, which tell you which pupils live in cities.

Use this information to identify ***School Zero*** – that is the school with the most children living in cities

***Tasks***

1. In the **Main Dataset**, calculate the ***Environmental Risk score*** for each school (=the number of children living in cities)
2. Write down the ID of ***School Zero*** (the one with the highest score) on the paper provided and return to the Chief Scientist

***Rules***

Do not discuss your data with anyone from outside your team, unless given permission to by the Chief Scientist

**SOCIAL & PUBLIC HEALTH SCIENCES UNIT: URGENT UPDATE**

Breaking research from another department, ***The Employment***, has just been received by the Social and Public Health Sciences Unit

There are some schools in Glasgow at high risk because of the types of jobs that parents do – that there are some schools where lots of parents are keyworkers.

***School Zero*** can now only be identified by combining the ***Environmental*** *AND* ***Employment*** risk scores

***Tasks***

1. Go to the Chief Scientist to ask for permission to share data with The Employment Team.
2. Obtain a **Linkage Key** and a **Sharing Dataset** from the Chief Scientist

***Technical information***

The Linkage Key holds the Sharing ID in the inner ring and your Pupil ID in the outer ring. Both rings swivel around. You’ll need to use the code at the very centre (III 3) to work out where the rings should be positioned. Swivel them around so they make the code III 3.

***Tasks***

1. Using the **linkage key** (see technical information above), enter the Sharing ID into your **Main Dataset**
2. Use this information to enter your ***Environment Risk score*** in the **Sharing Dataset.** Tip **-** Make sure you are using the Sharing ID.
3. Deliver the **Sharing Dataset** to the other team
4. Once the ***Employment Team*** have given you their **Sharing Dataset**, enter the Employment Risk Score into your **Main Dataset.** *Tip –make sure you are using the Sharing ID*
5. Calculate a new ***Total Risk Score –*** that is the sum of the Employment Score and the Environment Score
6. Write down the ID of the School with the highest Total Risk Score (***School Zero)*** on the paper provided and return to the Chief Scientist