

## School Council Meeting 19/1/2024 – Minutes

### Children present

#### School Council

- Coran – Year 6
- Evie – Year 6

#### **House Captains**

- Yoshi
- Archie
- Aura
- Maryam
- Surafeal
- Sophia
- Jed
- Banin

#### **1) James from Energy Sparks**

James from Energy Sparks came to speak to us about our smart meter data and how we can analyse our data. Before we began, we discussed what electricity does and how we have to burn gases to heat hot water in the school.

James explained that as well as climate change the cost of energy is increasing due to the price of oil and gas going up due to the war between Ukraine and Russia as the UK and other countries have stopped getting gas and oil from Russia. Because of this the cost of energy has increased from 3p kwh to 12p kwh.

#### **2) Electricity not giving smart readings on Energy Sparks**

James explained that the schools electricity supplier hasn't uploaded the data onto energy sparks. James said Energy Sparks are looking into this.

#### **3) Solar panel data**

James explained how to read the solar energy graph. We found out that the solar panels are producing clear renewable energy and the energy is being exported back into the grid. Last summer 1/3 of our electricity is generated on our own roof!

#### **4) Our Heating times**

James looked at these and said that this is the best day graph of any school he has been to.

#### **5) Heat Pump**

James explained that we are getting a heat pump air source. James said this extracts heat from the outside and then compresses this. It also works well with the under floor heating which we already have. The heat pump may make our gas usage go down but our electricity usage increase

#### **6) Thermal Imaging Camera**

James brought in a thermal imaging camera. He explained how this worked and that the white parts of the picture were the hottest. We tested our handprints and we found out that we were losing more heat through the door frame than the glass itself. We then went

around school and took pictures of different things, the underfloor heating and the ovens in the kitchen were very hot!

**7) Next steps:**

James suggested the things that we need to do know include:

- Asking the kitchen when the freezers were last defrosted
- Buying an electrical appliance monitor so we test which appliances cost the most to run
- Ensuring appliances are turned off every night like the printers, laptop trolleys etc.
- Look at our energy baseload and try and get this more even on the graph (It is very spiky at the minute).

**Next meeting –TBC**