

Internal changes



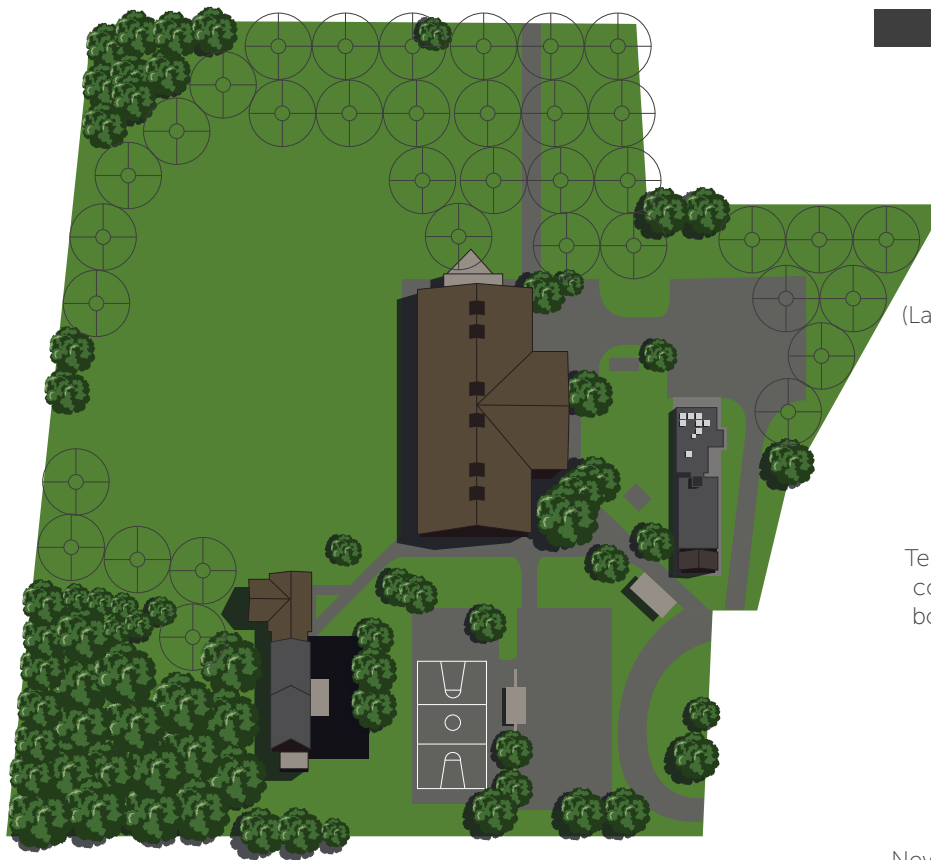
Extra roof insulation added



Windows repaired or replaced with higher specifications




Upgrades to the existing heating system



External changes



Boreholes 
(Later covered in grass)



Temporary drill rigs for completing the deep boreholes in the field



New ground source heat pumps for heating & hot water

We would like to inform you of our planned works to upgrade the heating system at West End Academy.

Kensa Contracting will replace the gas and coal fired boilers and direct gas fired water heaters with ground source heat pumps, helping to reduce the schools heating carbon emissions by around 75% and get them closer to their target of net zero by 2030.

FAQs

What is a ground source heat pump?

A ground source heat pump is a renewable heating system that extracts low-temperature solar energy stored in the ground or water using buried pipework and compresses this energy into a higher temperature.

A ground source heat pump provides a building with 100% of its heating and hot water all year round.

For more information visit:

kensa.group/heat-pumps-explained

What are the benefits of ground source heat pumps?

- Low carbon emissions & improved air quality
- Efficient & affordable heating
- Free heat from the ground
- A practical & safe alternative to fossil fuels
- Smart heating
- Suited to all sorts of properties & projects
- Compatible with other renewable technologies

What is a borehole?

Ground source heat pump boreholes are vertical ground arrays or collectors used to extract heat energy from rock to a ground source heat pump. They save space and minimise disruption in heat pump installation projects.

The design at West End Academy has a number of boreholes at a depth of around 200m for this project.

Will the boreholes cause much mess?

The drilling contractors we use are very experienced and use specialist equipment to keep mess to a minimum.

Once the borehole has been drilled, they will dig a temporary trench from the borehole to the heat pump. When work is done the trench is filled in and returned. They will then clean up any remaining mess to leave the school in good order when they leave.

Will the school be without heating & hot water?

The heating system is having some upgrades internally. We will be phasing the installation to ensure minimum disruption to the children. The heating won't be turned off until after the heating season. Hot water will always be maintained throughout the buildings.

Programme of works

Site setup is planned for mid-January and drilling work is expected to start towards the end of January. Internal work will be phased with some being undertaken outside of term time.

Get in touch

If you have any concerns or wish to find out more about the project please contact the project manager:

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