

On 13-10-2009, we had a visit to Castle Peak Power Station. We watched a film about the power before we learnt the operation procedures of generating electricity. Among all the things we learnt, our group interested in the use of coal the most. The consumption of coal is so great that there are mountains of coal inside the station. When we first saw the coal was stored in an opened area without any covering, we worried that the rain will make it wet. However, the guide told us that the coal needs to be kept wet as it will burn under the strong sun light. Moreover, the coal has to be grinded into power before it put into fire as this increase the surface area of the coal and increase the efficiency. The wet coal is dried up before using by the heat energy given out in the burner. The powered coal after burnt can be collected by the electrostatic precipitator. It can be reused to make road and plant plants.



After we had visited the Castle Peak Power Station, we have had a deeper understanding about the coal-fired power generation! We particularly appreciate their efforts on implementing various control measures and adopting advanced technology in order to manage the emissions and wastes. Moreover, they have tried all their attempts to make every step of the electricity generation environmental friendly as well as to make good use of every raw material. Sometimes, we used to think that using fuels to generate energy is posing a great threat to our environment but fortunately, we have known that this station can consider both the profit side and the environmental side!

PHOTOS: Yip Wing Yan (29) & Yung Sin Yi (31)

