

# KingspanWater Case Study

## St. Catherine's School, Dublin

Up to  
**85%**  
of water in  
schools is used  
to flush the  
toilets

"I love the way the system seamlessly switches between mains and rainwater depending on rainfall and our demand. There is also a very useful digital display monitor in the school's office so the children can be brought into see what level of rainwater is in the tank."

Jayne Enright, Teacher, St. Catherine's School

<b>Client:</b>	St. Catherine's School
<b>Installer:</b>	Eaga
<b>Location:</b>	Dublin, Ireland
<b>Product:</b>	Retrofit KingspanWater Envireau Fully Integrated Rainwater Harvesting System with above ground storage

### St. Catherine's makes the switch to rainwater.

Situated off Donore Avenue in Dublin 8, St. Catherine's is a bustling primary school with 130 pupils.

The school has a proud environmental record and, in recent years, has excelled in the Green Schools Programme. The programme is run by teacher Jayne Enright and a committee, made up of students.

Organised by An Taisce, the Green Schools Programme educates pupils about four key environmental themes: litter and waste, energy, water and travel.

St. Catherine's pupils enjoy the programme. "In the last few years we received flags for litter and waste, and energy. It is making a lasting impact on the children's attitude and their behavior towards recycling and switching off lights and switches in school and at home," says Enright.

To build on the success, this year St. Catherine's green committee decided to try to win the water flag. "Installing a rainwater harvesting system was decided by the students because it's something that would benefit the school and reduce costs into the future," she says.

In schools up to 85% of all water usage is for toilets. With large roof areas and high toilet usage, schools are ideal locations for rainwater harvesting. The rainwater that falls on the roof is captured and fed through a filter and into an above ground storage tank, where it is then pumped back into the school for use in the toilets.

Depending on the size of the school, this technology will pay for itself in two to six years. Once the payback period is over the schools water bills will be reduced by up to 85%. "It's a great way to educate the children about how we can use our rainwater as a resource, while at the same time dramatically reducing our costs," says Enright.

The system is designed and manufactured by Kingspan and fitted by their accredited installation partner Eaga. It is available in a series of simple packages to meet the needs of all schools from a small one-teacher primary school right up to a large community school. It can be installed in a number of days.

"I love the way the system seamlessly switches between mains and rainwater depending on rainfall and our demand. There is also a very useful digital display monitor in the school's office so the children can be brought into see what level of rainwater is in the tank," adds Enright.

For more information, call the KingspanWater Technical Advisory Service on +44 (0) 28 3836 4400, or visit our website [www.kingspanwater.com](http://www.kingspanwater.com).

Sustainable, Reliable, Affordable



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### GREEN NEWS



"Rainwater harvesting is the type of clever technology that should be embraced by all schools. It transforms rainwater into a very valuable utility for the school."

*KingspanWater Rainwater Harvesting products for schools, endorsed by John Gormley*

St. Catherine's School already saves almost **80%** of its water

### New Educational Feature

As an optional extra, we can supply you with access to a web page, unique to your school, showing how much water you have saved and used.



Easy installation by Eaga, a KingspanWater Accredited Installer...



...at a time that suits the school. Job done, just need it to rain now!

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