

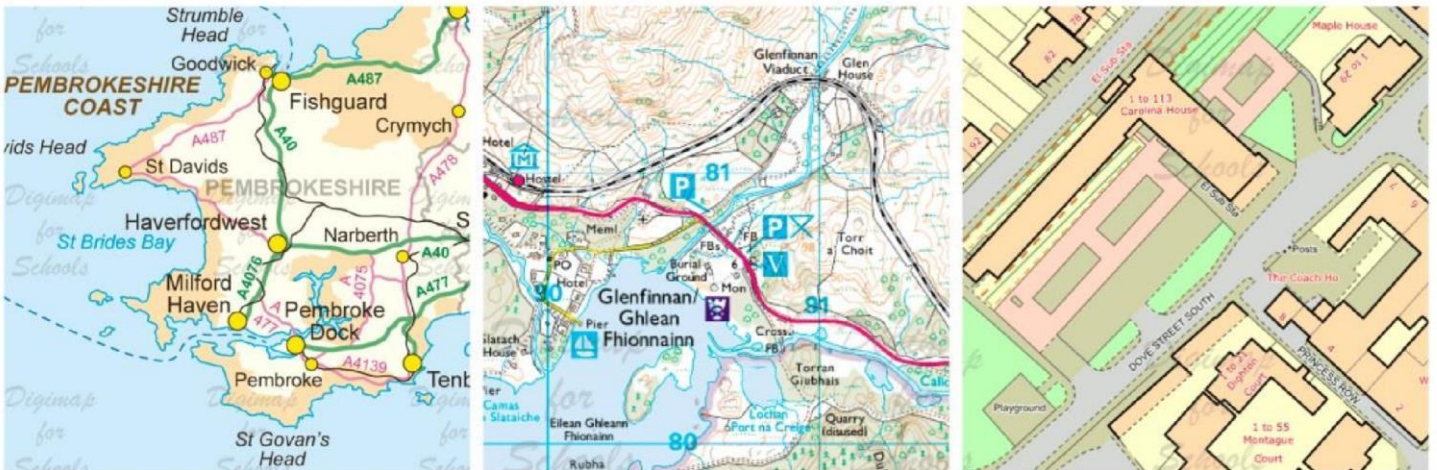
Digimap for Schools

Crime Mapping

Prevalence of littering on school grounds

Alan Parkinson
Geography teaching resource

Secondary



This is one of a series of teaching resources for use with Digimap for Schools. For more details about this service, visit <http://digimapforschools.edina.ac.uk>

Digimap for Schools

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Digimap for Schools Geography Resources

Title: Crime mapping

Level	Context	Location
Secondary	Crime is a topic which has been added to many secondary-level schemes of work and offers good potential for mapping.	Anywhere in GB

Knowledge and skills	
Curriculum links (England)	Interpreting a range of sources of geographical information, including GIS.
Curriculum links (Wales)	Locate places and environments and explain the spatial pattern of features. Responsibilities of being a global citizen.
Scottish Curriculum for Excellence	Social Studies Outcomes: People, Place and Environment: 0.07a, 2.10a, 11.1a, 1.14a.

Activity

This activity introduces the police crime maps and then asks pupils to map the 'crime' of littering at their school. Considering the spatial element of crimes can help to provide a solution. Other 'offences' could be added or used instead of litter.

Introduction

Start by setting the scene by discovering the overall crime rate of your area using the website www.police.uk/.

Click on the 'Your Neighbourhood' bar and then enter the postcode of the school and click search. 'Explore the crime map'. In the dropdown list of 'All Crime' it will tell you the number of recorded incidents of crime of various types. If there is a lot of crime, you may want to choose one type, such as ASB (antisocial behaviour).

Repeat this searching for two other areas within your local area; one in an area where you would expect the crime rate would be low and one in an area where you would expect the crime rate would be high.

Discuss the possible reasons for the difference, using your own knowledge of the areas. If students are working individually ask them to produce a written summary using no more than 100 words. Choose the 'Reported in...' tab to change the month and assess the trend in local crime. Is it going up or down over time? Are these trends apparent from the reporting of crime in the local newspaper?

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Main activity

Students should now open Digimap for Schools and follow the instructions on the hand out to create a crime map of the school.

Taking it Further

- Tell students that you only have the funding to make three improvements to the school site. Which ones do they think you should choose and where should you site them? Ask them to create an annotated map to justify this decision.
- Share the above results with the head teacher/person responsible for solving the issue. Ask them to give feedback to the class about these ideas.
- Why not imagine the opening of a crime thriller that is set in the area shown on your map; write the first page of the book.
- Produce a report for local community support police officers, or invite one in to school to talk about crime prevention as part of your investigation.

Web links

Crime data related to locations can be viewed at: <http://www.police.uk>

If you live in London, there is an additional source of information from the Metropolitan Police: <http://maps.met.police.uk/>

There have been some suggestions that the way that estates are designed to make crime worse. These reports could be used for a unit exploring housing estates on Digimap for Schools and seeing whether any of the design faults are built into them.

<https://www.designcouncil.org.uk/knowledge-resources/report/creating-safe-placeslive-through-design>

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School Crime Mapping

You are going to create a map to show where crime is taking place at your school. You may be concentrating on litter, but other 'offences' can be mapped as well.

1. Open Digimap for Schools and find your school. Zoom in to the OS MasterMap level of detail. Select 100% transparency and then use the buffer tool and draw an area around your school. A distance setting of 0.1 km or 0.15 km may be suitable and you can use a circle or create a buffer around a line. Use the modify tool  to move your entire buffer zone so it sits where you want it to.



2. Using your own knowledge of the school and surrounding streets add symbols to your map to show where you know that students tend to drop litter.
3. When dealing with real crimes the police give advice to residents about how they can reduce the chances of crime taking place. The general term that is used when people try to reduce the chance of their property being affected by crime is **'target hardening'**.



Image: Alan Parkinson

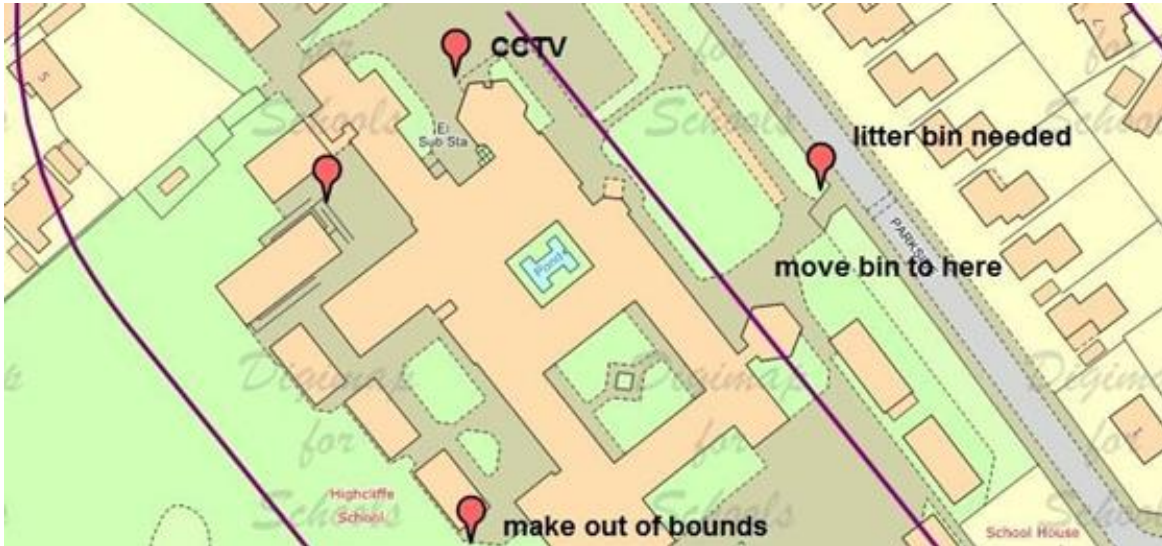
Examples of 'target hardening' include:

- Fitting an alarm (or a 'fake' alarm)
- CCTV
- Neighbourhood Watch schemes
- Good lighting

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Decide what could be done to reduce the chances of litter being dropped, or other problems taking place in the places shown on your map. Add comments to show what you think could be done.



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