


Survey123 Teachers

This document provides guidance for teachers on how the Survey123 service from ESRI can be set up to allow students to capture and analysis geographic data

 30 – 45 mins

Introduction

This document will provide guidance for teachers on how the Survey123 service from ESRI can be set up to allow students to capture and analyse geographic data. It is highly applicable for students completing their NEAs and for use on field trips for all age groups.

In its simplest form, Survey123 is the digital equivalent a written survey. Importantly however, it can be used to capture the location of features. This allows data to be displayed easily on maps which can enhance the usefulness of data. Survey123 can be accessed as an application on Android and IOS phones/tablets. It can also be used through an internet browser at <https://survey123.arcgis.com/>.

It allows you to:

- Collect data in the field and analyse results on a map in the classroom, and at home
- Offline collection via the Survey123 App - with ArcGIS Online organization account
- Engage students in the inquiry process: Create questions, collect data, explore the world, analyse and act on results
- Use a mobile device or web browser to collect data
- Create publicly shared surveys that can be filled without an ArcGIS Online account

Learning Outcomes

In this document, teachers will learn how to:

- Sign up with ESRI for free (any UK school or Further Education college)
- Use ESRI resources
- Create a survey with Survey123
- Discover what other data Survey123 can capture

This activity is aimed at KS4 – KS5 students, however students of all ages are welcome to complete the activity.

Contents

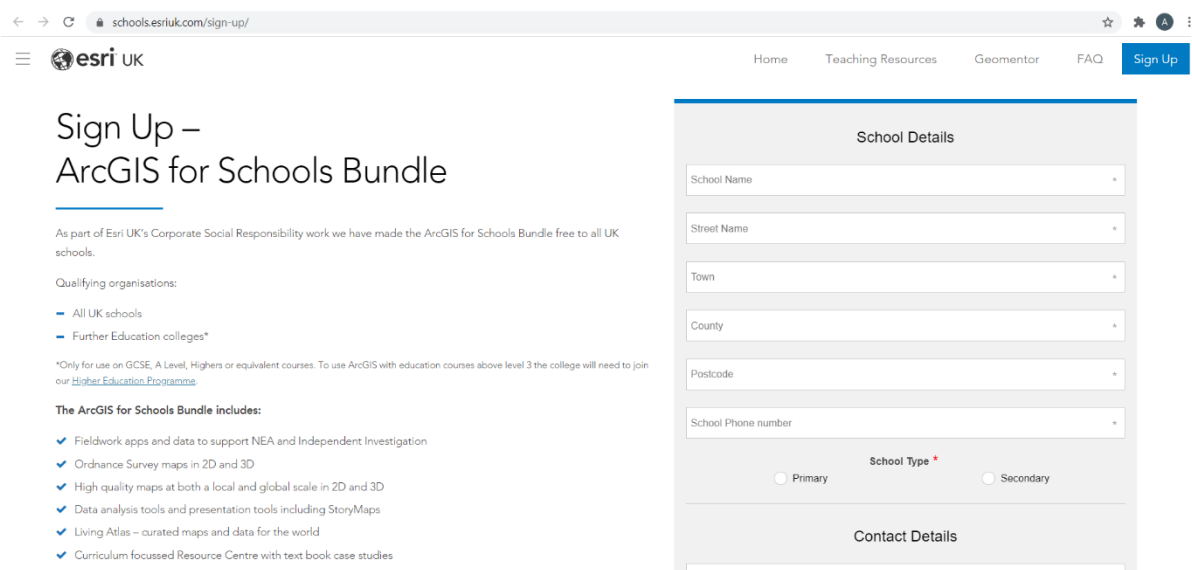
Section 1: Sign Up with ESRI	3
Section 2: Creating a Survey	4
Section 3: Summary	11

Section 1: Sign Up with ESRI

Survey123 is a part of a range of geospatial apps and tools created by ESRI. The ESRI suite of products can be accessed for **free** by any UK school or Further Education college, however prior registration is required.

- a. Go to <https://schools.esriuk.com/sign-up/> to sign up for an account for your school or college.

This requires filling in a signup form and should be done well in advance of the lesson or fieldtrip where Survey123 is required.



schools.esriuk.com/sign-up/

esri UK

Home Teaching Resources Geomator FAQ Sign Up

Sign Up – ArcGIS for Schools Bundle

As part of Esri UK's Corporate Social Responsibility work we have made the ArcGIS for Schools Bundle free to all UK schools.

Qualifying organisations:

- All UK schools
- Further Education colleges*

*Only for use on GCSE, A Level, Highers or equivalent courses. To use ArcGIS with education courses above level 3 the college will need to join our [Higher Education Programme](#).

The ArcGIS for Schools Bundle includes:

- ✓ Fieldwork apps and data to support NEA and Independent Investigation
- ✓ Ordnance Survey maps in 2D and 3D
- ✓ High quality maps at both a local and global scale in 2D and 3D
- ✓ Data analysis tools and presentation tools including StoryMaps
- ✓ Living Atlas – curated maps and data for the world
- ✓ Curriculum focussed Resource Centre with text book case studies

School Details

School Name *

Street Name *

Town *

County *

Postcode *

School Phone number *

School Type *

Primary Secondary

Contact Details

- b. ESRI will issue a reply with instructions on how to set up accounts once a school or college has become registered. ESRI Australia have provided [simple instructions](#) to follow which may make the process smoother. ESRI will also provide support throughout the full process if required.
- c. You may be required to contact your institutions IT technicians in order to safely create accounts for your students.

Section 2: Creating a Survey

With your ESRI accounts activated and functioning, you can now begin to create surveys.

- a. Go to <https://survey123.arcgis.com/> and login with your new account.

ArcGIS Survey123 wants to access your ArcGIS Online account information ?

Sign in with

ArcGIS login ^

example_user

.....

Keep me signed in

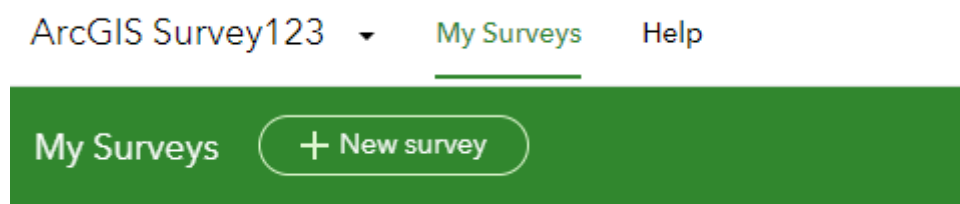
Sign In Cancel

[Forgot username?](#) or [Forgot password?](#)

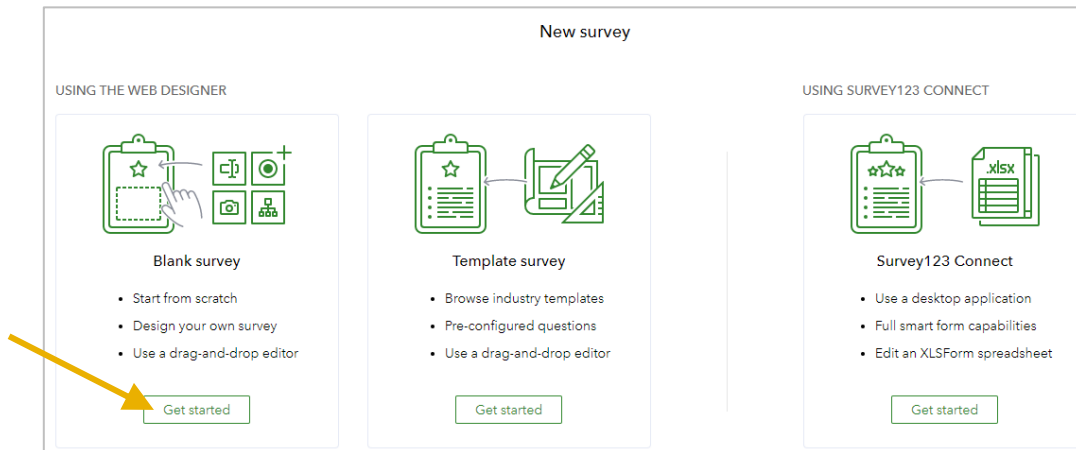
Your ArcGIS organization's URL v

[Privacy](#)

- b. From the main page, select 'New Survey'.



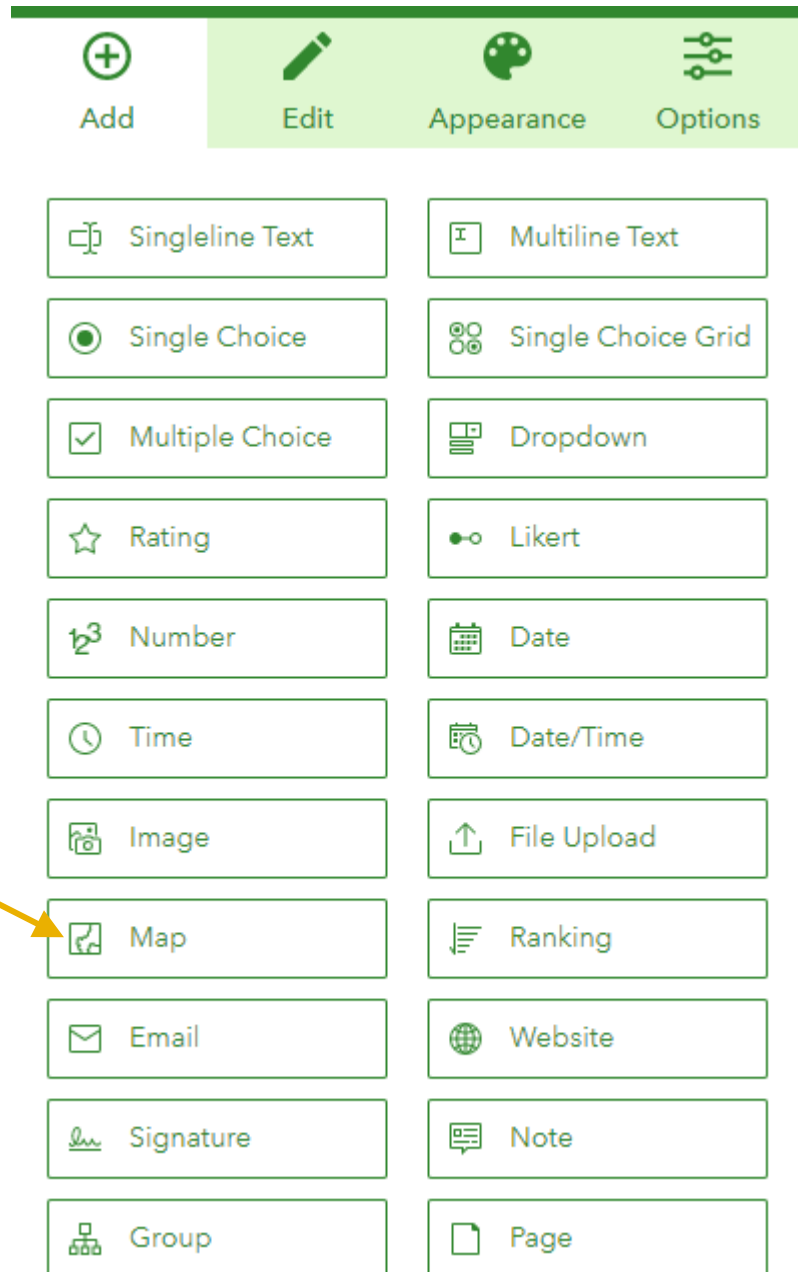
- c. This will bring you to a page such as this. Click the 'Blank survey' option.



- d. Give your survey an appropriate title (the students will see this name when accessing the survey on their own devices).

- e. Survey123 also requires tags to be added. These are not important and can be filled in sparingly.
- f. Now click 'Create'.

- g. You can now begin to add questions to your survey. Select “Map” under the “Add” tab as the first question. This ensures that the location of a point is always captured when a student submits a survey entry.



h. You can edit the text relating to the question under the “Edit” tab.






The screenshot displays the Survey123 Teachers interface. At the top, there is a navigation bar with four tabs: 'Add', 'Edit', 'Appearance', and 'Options'. The 'Edit' tab is selected, and an orange arrow points to the pencil icon above it. Below the navigation bar, the 'Map' section is visible. It contains a 'Label' field with the text 'Question - Feature Location' and a 'Hint' field with the text 'Capture the location of the feature'. The 'Hint' field has a rich text editor toolbar above it. Below the hint field is the 'Drawing tools' section, which includes a 'Point' tool (selected), a 'Line' tool, and an 'Area' tool. At the bottom of the interface, there is a 'Map and extent' section with a dropdown menu set to 'Topographic', a search bar with the text 'Find address or place', and a map showing a location pin. The bottom navigation bar includes 'Save', 'Preview', and 'Publish' buttons.

- i. You can now begin to add further questions for the students to collect data for. As an example, you can add a Drop-down menu question which the students will have a selection of answers to choose from. These options can be set in the edit menu:

Dropdown

Label

Hint

B A |     

What type of feature are you recording?

Choices Batch Edit

Show choices in random order (exclude "Other")

+ - ≡

+ - ≡

Allow "Other"

- j. Once you have created several questions, you may find that you need set a route through the 'Set rule' function. This will change which questions follow depending on the previous answer given.

For example, if Transport services was selected in question 2, then question 3 is likely to regard further information about the transport service. Similarly, if retail was the selected option, then questions relating the type of retail may be required. After creating the questions for both of these options, a route can be created from the source question. Click on the 'Set Rule' symbol on the source question:

2

➔ 3 5 4

Question 2 - Feature type*

What type of feature are you recording?

-Please Select-

Set rule

✕

🏠

🔗

- k. You can now edit which answers leads to which question. This can help simplify the form when students are using it, as it stops them from contradicting themselves with their inputs.

Set rule
✕

Show selected questions only if the answer to this question is a specific choice.

If	Show
Transport service	4. Question 3 - Transport service type ⊖
Retail (Shops/restaurants)	5. Question 3 - Service industry type ⊖
Other	3. Question 3 - Other ⊖

-Please Select-

-Please Select-

Tip: Currently, rules are only supported by Single Choice, Dropdown, Likert and Rating questions.

OK

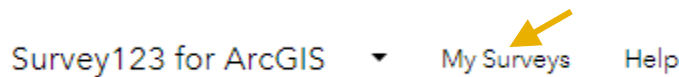
- l. Once happy with the survey, select Save and Publish:

Saved ▲

Preview

Publish

- m. To share this survey with your students, click on 'My Surveys'.



- n. Then click on the 'Collaborate' tab and select the group of users you want to be able to share the survey with (e.g. Class 8A, Year 9). This should automatically make the survey available to all members of the selected group(s) allowing them to use it, and a link will also be created which could be shared.

Newcastle Shops
Overview Design Collaborate Analyze Data

Submitter
Viewer
Group Settings

Choose who can submit data to this survey:

Everyone (Public)

Members of my organization (Newcastle University)

Following Groups:

Schools Details

Save

Survey link:

https://arcg.is/91Cf
📄
📱
🔗

Open the survey in browser directly

Ask the user how to open the survey, in browser or in the Survey123 field app

Open the survey in the Survey123 field app directly. [\(Learn more about this option\)](#)

- o. Now the students will be able to access the survey on their devices by opening the link provided or through navigating to it.
- p. Here is an example of what the students would see when they open the survey:

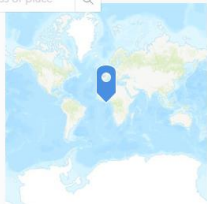
Town/City Centre Survey

This survey will be used by students to investigate social deprivation across varying areas of a town/city.


- 1 **Question 1 - Feature Location**
Capture the location of the feature

+

Q




−
Home
Refresh
Full Screen

Esri, FAO, NOAA 

📍 Lat: 0 Lon: 0
- 2 **Question 2 - Feature type***
What type of feature are you recording?
- 3 **Question 3 - Other**
What feature are you recording? Add in a short description as to why you are recording this location

Please input 250 characters at most
- 4 **Question 3 - Transport service type**
What type of transport service feature are you recording?
- 5 **Question 3 - Service industry type**
What type of service is being provided?
- 6 **Question 4 - Visual appearance**
Give the building a rating out of five based on the visual appearance (tidiness, maintenance etc.)

☆
☆
☆
☆
☆
- 7 **Question 4 - Image Capture**
Take a photo of the location to aid the analysis of the captured data

Take a photo 
- 8 **Question 5 - Extra details**
Use this space to add in any additional information about the feature you are capturing

Submit and capture a new point

Powered by ArcGIS Survey123

Section 3: Summary

This document has provided guidance for teachers on using Survey123 for fieldwork exercises. Survey123 is a part of a range of geospatial apps and tools created by ESRI. An investigation into the relationship between the service and retail industry and public transport has been used as the example in this document, however as Survey123 is highly customisable, it can be applied to all kinds of field work. Some suggested applications of the tool are:

- Traffic surveys
- Environmental Quality surveys
- Social inequality surveys
- Biodiversity surveys
- Recording locations of post-glacial erosion features
- Shopping basket surveys

The ESRI suite of products can be accessed for **free** by any UK school or Further Education college, however prior registration is required. By obtaining an educational licence for ESRI products, many more useful features in tools such as ArcGIS Online or Storymaps can be accessed, along with Survey123. You can find out more about the full range at: <https://schools.esriuk.com/>.

For support in suiting Survey123 to your own needs, feel free to email contact@geospatialuk.org.



**Geospatial
UK**

**This activity was created by
Newcastle University on behalf of
Geospatial UK.**

For more resources or activities, visit

www.geospatialuk.org