**MapIT! Instructions - Students**

Welcome to the Geography Teachers’ Association of Victoria Annual MapIT! Challenge.

MapIT! provides an opportunity for you to show how you would improve the liveability of your neighbourhood.

We want to know what you think and hopefully make some great changes.

**How to enter MapIT! 2019**

There are four steps in MapIT! 2019.

1. **View the stimulus**
2. **Draw your map**
3. **Print your map**
4. **Submit your online entry**

It is important that you read these instructions *carefully* before you start.

Use your knowledge of geography to work through the stimulus and identify patterns and trends of your local neighbourhood. *View the stimulus here.*

We have provided you with lots of stimulus material. The stimulus contains 11 sources for you to use in your MapIT! Entry. These include:

- 2. Activity Centres
- 3. Activity Centre 800m Radius
- 4. Population Density
- 5. Population Under 15
- 6. Population Over 65
- 7. Public Transport
- 8. Medical Centres
- 9. Shopping Centres
- 10. Schools
- 11. Land use features

**THINK:** Consider what you have learnt so far in Geography to help you with this task.

What else does your local neighbourhood need to meet the needs of your family and friends?

Is there enough transport for people to get to where they want to go easily and quickly?

Are there enough services and facilities for the elderly grandparents, young people, teenagers, parents with really young children and others? What would you add to help them?

Are there enough sporting fields and facilities for young people?

Talk to your parents and neighbours and ask them.
**Instructions**

**Navigation**

To navigate through the different stimulus maps, simply click through the options below. To move the map, you can click the + or - in the top left corner. If you would like to search for a location, you can press the magnifying glass search icon at the bottom.

**Legend**

If a Legend or Key is available for a stimulus map, a button will appear on the top right-hand side.
Click the down arrow to view the legend in full.

**Stimulus Numbers**

Each stimulus has an associated number. The number can be found on the left hand side of the title. Titles 1, 12 and 13 are instructions only and can not be used.

---

**Local Neighbourhood Activity Centres**

This year’s MapIT! focuses on local activity centres. These are the basic building block of the Victorian Government’s *Plan Melbourne* that is used to improve people’s lives.

There are three categories: Metropolitan Activity Centres, Major Activity Centres and Neighbourhood Activity Centres.

Each of these areas have different purposes, but all aim to provide local goods, services and employment opportunities within an 800 metre radius boundary. Most people can easily walk 800 metres in less than 20 minutes so there is no need to drive a car and cause pollution and road congestion. A bit of exercise is good for the health of all of the family too. You get to know the people who live near you, make friends and everyone looks out for each other.

Using your geographical knowledge, MapIT! asks you to investigate your local area and see if it is currently meeting these needs.
Creating your own maps is fun. MapIT! asks you to put labels (also called annotations) on your map with suggestions to improve your local area based on your analysis of the stimulus material and fieldwork. For example, if your local area has no medical centres and an elderly population, a great suggestion may be to build one in a good location of your choice.

We have removed the SAVE function, so all students must draw their map and submit it in one sitting to make the competition fair. It is best to have a trial lesson to play with the mapping tools and bring along your evidence and ideas to do some practice maps. Then in the Challenge lesson you can bring your research and draw and annotate your map quickly and have plenty of time to submit it.

Draw your own map by clicking here.

1. The first step is to find your chosen area. You can do this by navigating to it using the + or - icons or searching for the address in the search box with the magnifying glass icon in the top right.

2. Once you have found your chosen area, you may want to change your basemap to help see the buildings and other landmarks. Click the basemap button (the box with the four squares in it next to the zoom buttons) and choose Imagery. Other great basemaps may include OpenStreetMap, which will provide further details about your chosen location. See examples on next page.
3. The next step is to open the drawing window. To do this, select Step Two: Draw from the options at the top of the page.

**Drawing Points**

To draw on the map, you need to click a point, line or area.

Select draw mode

- Point
- Line
- Area
- Triangle
- Square
- Circle
- Cross
- Diamond
- Star
- Text

When you choose an option, symbols and colours will appear underneath.

Choose categories here

Change size here

Made a mistake? Choose undo or clear
Simply click on the map where you would like to drop your point and select CTRL and click. This might be where you want to place a new bus stop, shopping centre or park.

Complete this process over until you have added all of your suggestions for a local area. There is no minimum or maximum number of points you need to suggest.

**Drawing Polygons (Areas)**

In some cases, you may need to highlight an area. To do this, choose any of the area options as seen below.

Once you have selected your option, colours will appear underneath. You can choose a selection from the top section, or create your own below.

You might like to highlight a particular area such as a vacant lot, to suggest that it is transformed into a small shopping centre or a medical centre. You can select any location even one that is currently being used for something else for example you can change a house to a shop or a factory to a sports ground. It is up to you to decide and argue your case with the labels and your research.
Adding Text

Adding text can be a great way to tell the judges additional information about your map. This might include suggestions for your activity centre. To add text, choose the A symbol as seen below.

Select draw mode

Once you select the text option, your text options will appear underneath.

Type your text here

Change size and colour here

Made a mistake? Choose undo or clear

Make sure your text is correct, and when you are ready, click on the map where you would like the text to be. You cannot move the text once it is added.
**Adding BOLTSS**

BOLTSS are an important feature of any map. The map will print with a title, legend, border, source and scale. What is it missing? An orientation! To add an orientation, we are going to add a compass by adding a point.

Select point from the draw mode and choose **Cartographic** from the drop down. Choose your favourite **compass**. Add the compass in the top left-hand corner and increase the size so the judges can see it.

Simply add the point the same way you have added all your other points so far! **CTRL and click.**

Now it’s time to print your map and to submit your entry! Click on the last tab, **Step Three: Print.**

Before pressing print, select the Advanced tab so we can change the way it is displayed.

- Choose Map Extent
- Add your name
- Include legend
- Change to Kilometers
- Include attributes
When you are ready press Print. You will see your JPG appear underneath as seen below.

To open your map, press MapIT! 2019 Entry and a new tab will open.

Save the image somewhere easily accessible.
The final step in MapIT!2019. It is time to complete the online entry form, found on the stimulus (Tab 14). This activity needs to be completed in one sitting as it will not save.

Fill in each question as required.

Question 4 requires you to identify your chosen neighbourhood activity centre OR chosen area. Choose any of the options below.

4. Please find your suburb or town on the map below.*

Question 15 requires you to upload the JPG you downloaded in the previous step.

15. Upload your map entry
Have not made one? Click here.

When you are done, simply press Submit! Good luck. You are now a Geospatial GIS Professional.
**Criteria**

This is how we will compare your ideas to other students. Go for the 3 pointers!

<table>
<thead>
<tr>
<th>Criteria</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge and Understanding of Activity Centres, Liveability and/or sustainability and/or wellbeing</td>
<td>Comprehensive description of your neighbourhood activity centre and issues within the area</td>
<td>Detailed description of your neighbourhood activity centre and issues within the area</td>
<td>Description of your neighbourhood activity centre and issues within the area</td>
</tr>
<tr>
<td>Analysis of Activity Centres and Stimulus</td>
<td>Interpretation and comprehensive analysis of geographical maps, data and other information to: propose simple suggestions based on spatial distributions, patterns and trends of your neighbourhood activity centre</td>
<td>Interpretation and detailed analysis of geographical maps, data and other information to: propose simple suggestions based on spatial distributions, patterns and trends of your neighbourhood activity centre</td>
<td>Interpretation and analysis of geographical maps, data and other information to: propose simple suggestions based on spatial distributions, patterns and trends of your neighbourhood activity centre</td>
</tr>
<tr>
<td></td>
<td>Has referred to stimulus correctly</td>
<td>Has referred to stimulus indirectly</td>
<td>No mention of stimulus</td>
</tr>
<tr>
<td>Geographic Information Systems – Creation of your map</td>
<td>Purposeful presentation of map, that contains the appropriate basemap, north star, title and is both legible and detailed</td>
<td>Effective presentation of map, that contains the appropriate basemap, north star, title and is both legible and detailed</td>
<td>Presentation of map, that contains the appropriate basemap, north star, title and is both legible and detailed</td>
</tr>
</tbody>
</table>

Total Points: ____/ 12