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PLACES AND SPACES WORKSHEET
Stage 2 Year 3 & 4
Outcomes: ST2-14BE and ST2-4WS | Curriculum area: Built Environment

Section 1

I love Sydney

The city of Sydney is amazing place filled full of resources, life and spirit. Take some time to read the following questions and write your answers in the space provided below.

1. What are some reasons why people come into the city of Sydney?

    ....

    ....

2. What are some key facilities required by a community like the city of Sydney?

    ....

    ....

3. How did your school travel into the city today?

    ....

    ....

4. Draw a map from memory of a section of your route from your school to the city. The map should show the main facilities that you passed to get here today, eg shops, sports facilities, main roads etc.

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Section 2

What we need in a city?

Walk around the observation deck and look out the windows and see the city of Sydney. Complete the table below and write down any local features you can see from the windows. Suggest what you can see people doing there and why these places are important to have in a city.

Local Features	What are people doing there?	Why are they important to have?
Eg. Sydney Tower Eye	Sightseeing, going to work	provides people with entertainment

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Section 3

What are buildings made of?

What makes a building? Look out the window and find the iconic landmarks mentioned in the table below. What do you think these buildings are made of? What building materials can you see have been used?

	Building/Structure	What building ,materials are used?	How do you think it is joined together?	What do people use this building/structure for?
	Sydney Tower Eye			
	Sydney Harbour Bridge			
	Sydney Opera House			
	St Mary's Cathedral			
	SCG			
	Sydney Airport			

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Section 4

The weather and Sydney Tower Eye
Read the following passage and use the word bank to help fill in the missing words!

Sydney _____ was an important factor that needed to be considered when the architects

and _____ were designing Sydney Tower Eye. The construction team had to make sure

they could build a tall structure that was extremely strong during very _____ weather

conditions, as well as being able to withstand an _____ if the likely event was ever

to happen in Sydney. For example the tower is surrounded by 56 _____ which helps

support the turret and the tower from blowing or moving too much in the wind. It also has a

_____ rod at the top of the tower for stormy weather. As well as a water _____ on

the top of the turret which acts as a stabiliser to support the structure of the tower and also

provides an emergency water supply in case of a _____.

Weather	**engineers**	**build**
windy	**earthquake**	**cables**
lightning	**tank**	**fire**

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Section 5

Draw a sketch of the tower in the space provided below:

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Section 6

Sydney's Past

Go to the binoculars on the observation deck that are located on the North side.

Look through to see how the built environment has changed in Sydney CBD over the past 100years.

Compare this to what you can see out the window today.

Area	Past	Present
Darling Harbour 1900		
Pyrmont Bridge 1927		
George Street 1890		
St Mary's Cathedral 1920		
Sydney Opera House 1966		

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Section 7

The Sydney Tower Eye want to design something new for visitors to experience when they come to visit the observation deck. They are looking for young budding engineers to design and construct the new experience

1. What is your new idea?

   ....
   ....
   ....
   ....

2. Draw a picture to show your design of the tower with the new experience.
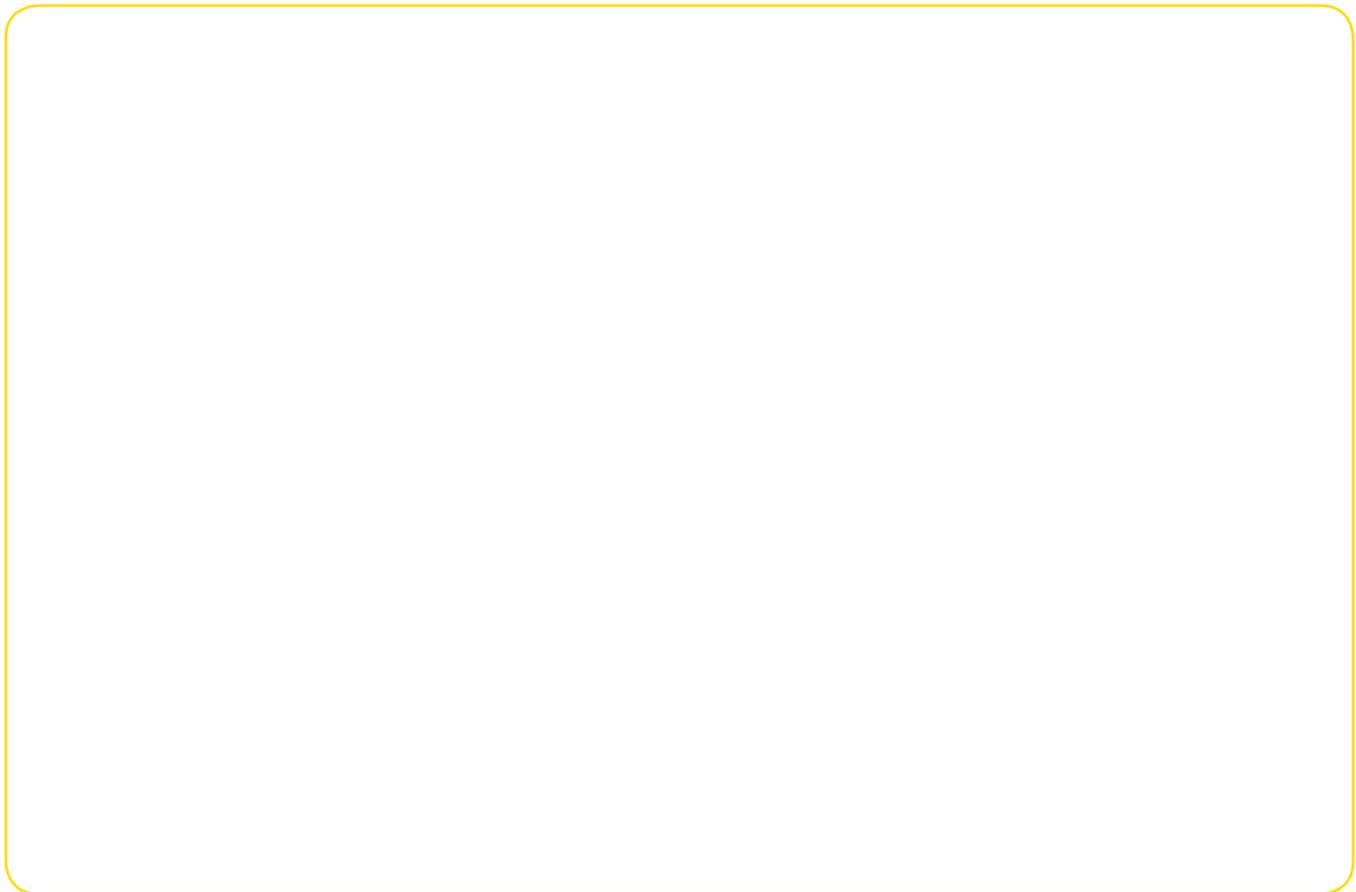
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3. What building materials do you need to use to build this?

....

....

....

....

4. What weather factors do you need to consider?

....

....

....

....

5. Will this new experience have a positive or negative impact on the local community?

....

....

....

....