

Tiny Houses

Year 7 Technology



Name: _____

Class: _____



This booklet works in conjunction with www.sactas7.weebly.com



Glossary of Terms

On this page you will need to write down the definitions for the terms, items and concepts explored in this unit.

1 _____

2 _____

3 _____

4 _____

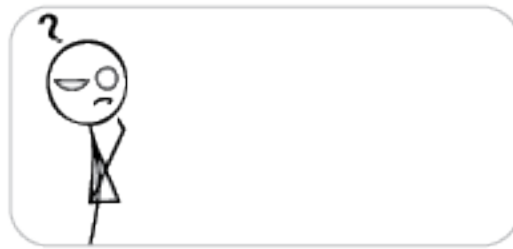
5 _____

6 _____



Brain-Storm

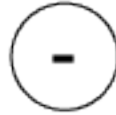
In the space below you will create a brainstorm lead by your teacher to help explore ideas and themes for your project.





Past Project Design Analysis

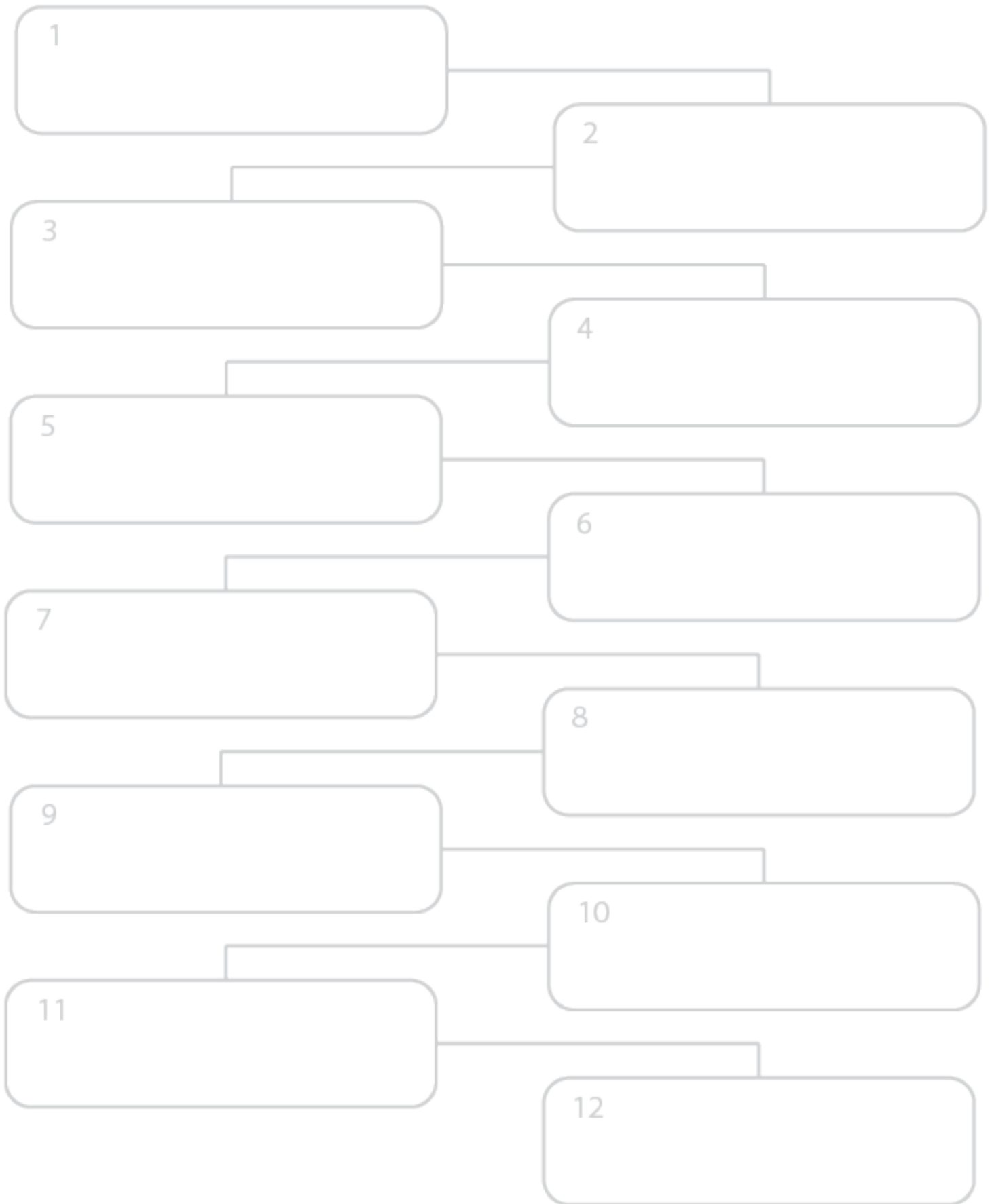
Using images from the www.sactas7.weebly.com you will need to do a PMI analysis on three tiny house designs.

A large, empty, rounded square box with a light gray border, intended for past project design analysis.A large, empty, rounded square box with a light gray border, intended for past project design analysis.A large, empty, rounded square box with a light gray border, intended for past project design analysis.



Steps of Construction

Based on a class discussion with your teacher you will need to record the required steps of construction involved in this unit.





Tools & Techniques

In the space below you will need to draw the tools specific to the unit and explain how to use them correctly and safely.



Skill Development Task

In the space below you will explore designs for a small project which will help you develop the skills necessary for this unit.

Using Sketch Up produce an accurately proportioned lego block following the tutorial video on sactas7.weebly.com . Create an orthogonal drawing of your lego block, print and paste the images below.



Skill Development Reflection

In the space below you will draw your lego brick in isometric projection and reflect on what you learnt from this task.

What have I learnt from the skill development task?

How will my experience in this task impact the outcome of my final project?



Idea Generation & Development

Watch the 'How to think like an Architect' video from sactas7.weebly.com. Use this space to draw your bubble diagram of an appropriate tiny house layout.



Floor Plan Development

As a class you will draw in the space below a Floor Plan of an existing tiny house. Remember to annotate!



Idea Generation & Development

Paste in your first layout design for your Tiny House on this page. Remember to annotate!



Idea Generation & Development

Paste in your second layout design for your Tiny House on this page. Remember to annotate!



Final Design & Justification

Document your final chosen design by drawing it neatly in the space below and justifying why you chose the design below.



Finished Project Presentation

In the space below you need to insert a photo of your finished project.



Upload your work to instagram using #sactas

While you're there check out all the other fantastic student work on display!

* NB: Please respect this online forum in accordance with school policy.



Project Evaluation

Thinking critically about your project answer the questions below to evaluate the success of your project. Be honest!

Do I believe my project was successful? Why / Why Not?

What is one thing I learnt about tools during this project?

What is one thing I learnt about processes in this project?

How could I change my design to improve its aesthetics, function or quality?



Free Space!

Woooo! Get drawing!



Written Task

You will need to complete the written task for this unit which can be found on www.sactas7.weebly.com

A large, empty rectangular area defined by a dashed border, intended for the student to complete their written task.



Your Practical work will be marked in the following 3 areas:



Stage 4 (Yr7 & Yr8) Practical: Marking Criteria

<p>SPECIFICATIONS: Does it meet the design brief requirements and adhere to the specifications and limitations?</p>	
<p>DESIGN: Is it a well-suited and developed design presenting a high level of functionality, challenge and originality?</p>	<p>EXECUTION: Does it show accuracy & execution of practical skills using appropriate techniques and processes to a highly competent level?</p>



Stage 4 (Yr7 & Yr8) Practical: Marking Rubric

Marks /60	Mark Descriptor
51-60	Demonstrates very high quality in all aspects of the project
41-50	Demonstrates high quality in most aspects of the project
31-40	Demonstrates substantial quality in most aspects of the project
21-30	Demonstrates limited quality in most aspects of the project
11-20	Demonstrates very limited quality with some incomplete work
1-10	Demonstrates basic quality with a majority of incomplete work
0	Non-submission of work



Stage 4 (Yr7 & Yr8) Written Task: Marking Rubric

Marks /20	Mark Descriptor
19-20	Demonstrates very high quality in all aspects of the written task
17-18	Demonstrates high quality in most aspects of the written task
14-16	Demonstrates substantial quality in most aspects of the written task
11-13	Demonstrates limited quality in most aspects of the written task
7-10	Demonstrates very limited quality with some incomplete work
1-6	Demonstrates basic quality with a majority of incomplete work
0	Non-submission of work



Stage 4 (Yr7 & Yr8) Folio: Marking Rubric

Marks /20	Mark Descriptor
19-20	Demonstrates very high quality in all aspects of the project folio
17-18	Demonstrates high quality in most aspects of the project folio
14-16	Demonstrates substantial quality in most aspects of the project folio
11-13	Demonstrates limited quality in most aspects of the project folio
7-10	Demonstrates very limited quality with some incomplete work
1-6	Demonstrates basic quality with a majority of incomplete work
0	Non-submission of work

Additional Comment:

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