

# Year 7 Term 1 Week 10

## Assessment Notification



<b>Subject:</b>	<b>Digital Technologies</b>
<b>Task:</b>	<b>Thunkable Tutorials &amp; Challenges (Updated for Remote Learning)</b>
<b>Due Date:</b>	<b>Week 10</b> <b>8:45am Thu 9 April 2020 (All classes)</b>
<b>Weight:</b>	<b>35%</b>

### Content of the Task

#### **This has been updated for Remote Learning**

Throughout the term, you will be required to complete a series of Thunkable Tutorials and Walkthroughs to develop your knowledge and understanding of Mobile App Development.

Before the end of Week 10, you will be required to complete a series of Thunkable Challenges to demonstrate your understanding of Mobile App Development.

The Thunkable Challenges will be published on the course website, as a video for you to watch, on Monday Week 9 <http://year7.cgscomputing.com/2020/>.

### Requirements of the Task

#### **Thunkable Tutorials (due by the end of Week 8)**

During class and/or via remote learning, complete the following [Thunkable X Beginner Tutorials \(YouTube Playlist\)](#)

- Beginner Tip "How to change screens with navigators"
- Tutorial #1 "Platform Overview"
- Tutorial #2 "Text-to-Speech"
- Tutorial #3 "Random Answer Generator"
- Tutorial #4 "Translator"
- Tutorial #5 "Camera and Image Recognition"
- Tutorial #6 "Scavenger Hunt App"

#### **Thunkable Walkthroughs (due by the end of Week 9)**

While learning remotely, watch the Thunkable Video Walkthroughs, which have been published to the course website under **Resources**. Complete the instructions to create the following apps:

- Walkthrough #1 "RGB Colours" (Layout, Buttons, Labels)
- Walkthrough #2 "Compliments" (Layout, Buttons, Labels, Lists, Images, Text-to-Speech)
- Walkthrough #3 "Pokemon" (Layout, Buttons, Labels, Text Input, Decisions)

#### **Thunkable Challenges (due 8:45am Thursday Week 10)**

While learning remotely, you are required to complete the following apps **on your own**. These challenges are based on the components and skills covered in the **Thunkable Walkthroughs**. A video going through the requirements will be published in the same folder as the Thunkable Walkthroughs on **Monday Week 9**.

- Challenge #1 "Meme" (Layout, Images)
- Challenge #2 "Homework" (Layout, Buttons, Labels, Lists, Text-to-Speech)
- Challenge #3 "Teacher" (Layout, Buttons, Labels, Text Input, Decisions)

## Submission Instructions

### Thunkable Booklet

In Google Classroom, you will be provided with a **Thunkable Booklet (Google Doc)**, which you are required to complete throughout the term. This will include:

- A place for you to paste links to each of your Thunkable Projects
- Screenshots of the Design and Blocks tabs for each of your screens

When you have finished all **Tutorials, Walkthroughs** and **Challenges**, you will be instructed to submit your Google Doc to indicate that you have completed the final step of the **Thunkable Tutorials and Challenges** task, ready to be marked and assessed.

## Marking Criteria

The marking criteria is shown on the next page. You are encouraged to tick off the boxes as you complete them throughout the term.


### Student Outcomes

<b>ACTDIP023</b>	Investigate how data is transmitted	<b>ACTDIP028</b>	Design the user experience of a digital system
<b>ACTDIP025</b>	Acquire data from a range of sources	<b>ACTDIP031</b>	Evaluate how student solutions and existing information systems meet needs
<b>ACTDIP026</b>	Analyse and visualise data to create information	<b>ACTDIP032</b>	Plan and manage projects that create and communicate ideas collaboratively online
<b>ACTDIP027</b>	Define and decompose real-world problems		

## Year 7 Digital Technologies Thunkable Tutorials and Challenges (35%)

Name:

Marking Criteria:

Item	<input checked="" type="checkbox"/>	Mark	Total
<b>Thunkable Tutorials (5 marks)</b>			
Tutorial #2 "Text-to-Speech" is completed and functions correctly		1	
Tutorial #3 "Random Answer Generator" is completed and functions correctly		1	
Tutorial #4 "Translator" is completed and functions correctly		1	
Tutorial #5 "Camera and Image Recognition" is completed and functions correctly		1	
Tutorial #6 "Scavenger Hunt App" is completed and functions correctly		1	
<b>Thunkable Walkthroughs (15 marks)</b>			
Walkthrough #1: 3 Buttons are created, with correct text and colours displayed		1	
Walkthrough #1: 2 Rows are created, with bottom row configured correctly		1	
Walkthrough #1: When "Red" is clicked, the top row's background turns red		1	
Walkthrough #1: When "Green" is clicked, the top row's background turns green		1	
Walkthrough #1: When "Blue" is clicked, the top row's background turns blue		1	
Walkthrough #2: All required components are included and displayed correctly		1	
Walkthrough #2: At least 3 "meme" images have been uploaded		1	
Walkthrough #2: When "Not good" is clicked, the correct random text is heard		1	
Walkthrough #2: When "Good" is clicked, the correct random text is heard		1	
Walkthrough #2: When "Meme" is clicked, a random meme image is displayed		1	
Walkthrough #3: All required components are included and displayed correctly		1	
Walkthrough #3: When "Favourite" is clicked, the correct response is displayed		2	
Walkthrough #3: When "Submit Age" is clicked, the correct response is displayed		2	
<b>Thunkable Challenges (15 marks)</b>			
Challenge #1: Meme image is uploaded and displayed		1	
Challenge #1: Meme image is resized (80% width, 50% height)		1	
Challenge #1: Label is included and displays a (good) meme		1	
Challenge #1: Label font size (20) and weight (bold) is configured		1	
Challenge #1: Background colour has been changed		1	
Challenge #2: 2 Buttons are created, with correct text and colours displayed		1	
Challenge #2: 2 Rows are created, with both rows configured correctly with labels		1	
Challenge #2: When No/Yes is clicked, the top row's background turns red/blue		1	
Challenge #2: When No/Yes is clicked, the top row's label displays No/Yes		1	
Challenge #2: When No/Yes is clicked, the correct random text is heard		1	
Challenge #3: All required components are included and displayed correctly		1	
Challenge #3: If statement is correctly configured (if, 3x if else, else)		1	
Challenge #3: Conditions (text_input.getText = "Mr...") configured correctly		1	
Challenge #3: Text (label.setText to "...") is displayed correctly		1	
Challenge #3: For the else section, a join is used, and displays the correct text		1	
<b>TOTAL</b>		<b>35</b>	

Tick the boxes in this column when you have completed the task in each row