07

WORKSHEET 07 · ANIMATION

Lights, camera, tween

designclass
design | engineering | technology

AH Graphic Communication
OVERPRINT · WS07

NAME | CLASS | DATE

The festival needs a 15-second promo, a projected dancer on the castle wall, a lantern-folding guide in the app and a school animation workshop. Each needs a different technique.

Learning intentions

- Understand motion capture, stop-frame and motion tweening, and when to use each
- Understand how post-editing and file types support an animation's purpose

Success criteria · I can...

- ☐ choose and justify an animation technique for a context
- ☐ plan an animation with a storyboard, timings and transitions
- ☐ describe a different advantage for each animation file type

25 marks
about 60 minutes
Course notes ch. 07

TASK 1 Choose the technique

6 MARKS

a A dancer's real movements will drive a giant animated character projected onto the castle wall. Name the most suitable animation technique and explain why. 2

b Pupils at a school workshop will animate paper lanterns using their own phones and tablets. Name the most suitable animation technique and explain why. 2

c The app will show, step by step, how to fold the collapsible paper lantern. Name the most suitable animation technique and explain why. 2

TASK 2 Setting up the tween

2 MARKS

Describe **two** methods of setting up the motion tweening animation in 1(c) that will help festival-goers fold the lantern. 2

TASK 3 Storyboard the promo

4 MARKS

Plan the 15-second promo in **eight frames**: a start frame, six intermediate frames and an end frame. Add timings, transitions and overlays. This is the same format the project asks for.

START FRAME	2	3	4
TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES
5	6	7	END FRAME
TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES	TIME (S) · TRANSITION · NOTES

TASK 4 Post-editing

5 MARKS

a Most people will watch the promo on social media with the sound off. Describe how **three** post-editing techniques would make the promo more effective. 3

b Explain the difference between **subtitles** and **captions**. 2

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TASK 5 File types

4 MARKS

Give a suitable use for each file type in the festival campaign and an advantage that is **different for each type**.

TYPE	USE IN THE CAMPAIGN	ADVANTAGE	
.gif			1
.mp4			1
.mov			1
.avi			1

The 2026–27 specification names .avi, .mov, .mpeg/.mp4 and .gif. Older papers also asked about .3gp, which has been removed.

TASK 6 Motion capture

4 MARKS

Describe **two** advantages and **two** disadvantages of using motion capture for the projected dancer. 4

Reflect

Which question was hardest, and what will you revise before the next lesson?

TOTAL

/ 25