James Webb Space Telescope
DEEP SPACE DIARY

Possible Teacher Timeline

One Half Term of 90-120 minute Science Lessons per week

	Activity Suggested	Curriculum Links	Optional Home Learning
Week 1	Intriduce Deep Space Diary (15 mins) **Activity 1.1** To Space and Beyond (45 mins) **Activity 1.2** The Sky and Night (60 mins)	English; Maths; Working Scientifically	Art inspired by space
Week 2	**Activity 1.3** Ancient Astronomy (60 mins) **Activity 1.4** The Starry Messengers (60 mins) **Activity 1.5** Deep Space Quiz (15 mins)	English; Maths; Science; Working Scientifically; DT; SMSC/TSPC	Make-Your-Own model of the solar system
Week 3	**Activity 2.1** Lights, Mirror, Action (60 mins) **Activity 2.2** Make-Your-Own Colour Wheel (45 mins)	English; Maths; Science; Working Scientifically; Art; SMSC/TSPC	Make-Your-Own telescope Magic tricks with light
Week 4	**Activity 2.3** Recipe for a Rainbow (30-60 mins) **Activity 2.4** Infrared Selfie (60-90) mins Chapter 2 Word Search	English; Maths; Science; Working Scientifically; Art; SMSC/TSPC	Research IR imaging and its uses
Week 5	**Activity 3.1** Blueprint for Space (60 mins) **Activity 3.2** Mega Mirror Engineer (30-60 mins)	English; Maths; Science; Working Scientifically	Create a piece of writing demonstrating research on the James Webb Space Telescope
Week 6	**Activity 3.3** Keep it Cool (60-120 mins) Chapter 3 Word Search	English; Maths; Science; Working Scientifically; SMSC/TSPC	Space poems
Week 7	**Activity 4.1** Parking Skills (30 mins) **Activity 4.2** Deep Space Decoder (30-45 mins) **Activity 4.3** Calibrate for Discovery (45 mins) Chapter 4 Word Search	English; Maths; Science; Working Scientifically; Geography; Computing; History	Create your own space code
Week 8	**Activity 5.1** First Findings (30-60 mins) **Activity 5.2** Data Detective (45 mins) **Activity 5.3** Visualising the Universe (60 mins)	English; Maths; Science; Working Scientifically; Art; Computing; History	Timeline of telescopes
Week 9	Chapter 5 Word Search **Activity 6.1** Deep Space Daily (90-120 mins) Mission Debrief	English; Science; Working Scientifically; Computing	Independent model-making and research