# AstroBoost Resource List

## What is this document?

List of resources provided to the three Astronomy Society project partners by the 2018 AstroBoost project.

## Printed materials / e-documents on USB stick

All documents are included on the USB stick unless otherwise indicated.

### Electronic versions

AstroBoost Powerpoint presentation as used during training

Powerpoint presentation for the Webb show with demos

Lego Webb building instructions (printed/cut copies provided with model kits)

Receipts / invoices, showing where things were purchased and costs

Risk assessment templates for:

* + General display stand
  + Webb show with demos
  + Hershel experiment
  + Print tray activities

### Evaluation folder (box file):

A4 sign to display by feedback box

130x child questionnaires for show delivered to groups 8-12yr

15x leader questionnaires for show delivered to groups 8-12yr

150x Self-led questionnaires for drop-in stands (for all ages)

15x astronomy society member questionnaires for delivery team

7x Show and 10x Event record sheets (for AS event leader)

### Resource folder (ring-binder):

Webb show with demos – script & content

Destination Space phase 2 handbook (for Webb background, only relevant sections printed)

Infrared camera – helpsheet

Learning – helpsheet

Volunteers - helpsheet

Replica spacecraft parts – helpsheet (provided by UK Web Campaign)

Prism activities – activity sheet

Camera activities 1 – activity sheet

Camera activities 2 – activity sheet

Cold Webb – activity sheet

Hershel experiment – activity sheet

Print tray activities – activity sheet

Spectroscopy glasses and more – activity sheet

Additional camera activities – activity sheet

## Physical resources

### General

USB stick with digital resources

Folder with printed copies of written activity resources

Folder with printed copies of evaluation resources

Pull-up banner (designed by Steve Wilkins, Sussex University)

Really Useful Boxes for resource storage/transport

* 15x Webb pin badges for AS delivery team (designed/arranged by Steve Wilkins)

Feedback box

3x freestanding A4 sign holders

### Show-related resources

3D printed Webb model (RAS hold a spare in case of loss or breakage)

LED magnifier with 4x AAA batteries

Replica MIRI pupil masks (arranged by UK Webb Campaign)

Replica MIRI bolts (provided by UK Webb Campaign)

Other similar non-space-flight bolts (provided by UK Webb Campaign)

Powerpoint clicker

4x AAA batteries

Mini dustpan and brush (for glass breakages)

20x gold hexagon sections for building Webb’s mirror (fabricated by Dave Hills)

Spray bottle for water

Glass prism (boxed)

Plasticine (to create base for Prism)

Red filter in frame

Ultra-violet torch

3x AA batteries

Samples of bleached and unbleached paper

Flir C2 camera (with basic accessories)

Mini tripod for camera

2m USB cable for camera

Heat pad (Beurer HK35)

Mini lego Webb model kits (design from UK Webb Campaign, sourcing by Steve Shipway)

Materials taped to bamboo canes (bin bag and Mylar)

Black tape and bamboo canes for construction using additional materials

Flip-up Scoreboard

Spare Mylar sheets

Sheet of cardboard

2cm “Earth” bead on thread, + 1 spare bead

0.6mm “Moon” bead on thread, + many spare beads

Webb representation (six gold hexagonal beads) on 2.4m length of thread + spare beads

Tape measure

Compressed air cannister

Bicycle pump

### Resources not designed to be used in the show

Wooden printers-style tray, spray-painted black

17 ¾-inch steel ball bearings

Bin-bag material, taped to create lid for tray

17 clear latex balloons

30 Spectroscopy glasses

Three matched spirit thermometers

Webb stickers (provided by UK Webb Campaign)

AstroBoost Project

The Royal Astronomical Society’s AstroBoost project was funded by a STFC Spark Award and supported by project partners Guildford Astronomical Society, Hampshire Astronomy Group, Newbury Astronomical Society and the STFC’s UK James Webb Space Telescope campaign. The project was managed and developed by Dr Jenny Shipway.