**Space Academy**

**National Education Standards**

**By Lesson**

**2016**

**Apollo**

Earth & Space Science: ESS1.B; Physical Science: PS1.B;

ELA-LITERACY: RI.4.4, RI.5.4, RH.6-8.4, RST.6-8.4, RST.9-10.4 & RST.11-12.4

**Astronomy Show**

Earth & Space Science: ESS1.A & ESS1.B

Physical Science: PS1.A, PS1.C, PS3.A, PS3.B, PS3.D & PS4.B

Mathematics: 4.MD.5, 5.NF.4, 5.NF.6, 5.G.1, 6.NS.8, 6.EE.2 & 7.NS.3

ELA-LITERACY: RI.4.4, RI.5.4, RST.6-8.4, RST.9-10.4, SL.4.1, SL.5.1, SL.6.1, SL.7.1, SL.8.1 & SL.9-10.1

**Early Space History**

Earth & Space Science: ESS1.B; Physical Science: PS2.B

ELA-LITERACY: RI.4.4, RI.5.4, RH.6-8.4, RST.6-8.4 & RST.9-10.4

**Flight Hardware – Why SLS?**

Earth & Space Science: ESS1.B; Physical Science: PS1.A, PS1.B, PS2.A, PS2.C, PS3.C & PS3.D; Life Science: LS2.A

ELA-LITERACY: RST.6-8.4 and RST.9-10.4

**Great Observatories**

Earth & Space Science: ESS1.A; Physical Science: PS4.B

ELA-LITERACY: RI.4.4, RI.5.4, RST.6-8.4 & RST.9-10.4

**International and Commercial**

Earth & Space Science: ESS1.B; ELA.LITERACY: RI.4.4, RI.5.4, RST.6-8.4, RST.9-10.4 & RST.11-12.4

**Lunar Base Challenge**

Earth & Space Science: ESS1.B & ESS3.A; Physical Science: PS1.C & PS3.D; Life Science: LS1.C; Engineering Design: ETS1.A & ETS1.B

Mathematics: 7.NS.1 & 7.EE.3

ELA-LITERACY: RST.6-8.3, RST.6-8.4, SL.7.1, SL.7.4, SL.7.5, W.7.2, SL.8.1, SL.8.4, SL.8.5, W.8.2, RST.9-10.3, RST.9-10.4, SL.9-10.1, SL.9-10.4 & W.9-10.2

**Mercury-Gemini**

Earth & Space Science: ESS1.B

ELA-LITERACY: RI.4.4, RI.4.7, RI.5.4, RH.6-8.4, RST.6-8.4, RST.9-10.4, W.4.3, W.5.3, W.6.3, W.7.3, W.8.3 & W.9-10.3

**Mission Patch**

ELA-LITERACY: RI.4.4, RI.5.4, RH.6-8.4, RST.6-8.4, RST.9-10.4, RST.11-12.4, SL.4.1, SL.5.1, SL.6.1, SL.7.1, SL.8.1, SL.9-10.1, SL.11-12.1, W.4.2, W.5.2, WHST.6-8.2, WHST.9-10.2 & WHST.11-12.2

**Model Rockets - Academy**

Physical Science: PS2.A, PS2.B, PS3.A, PS3.B & PS3.C

Mathematics: 7.RP.1, 7.NS.1, 7.NS.2, 7.NS.3, 7.EE.4, HS.N.Q.A.1, HSA.REI.A.2, HSA.REI.B.3, HSG.SRT.6 & HSG.SRT.8

ELA-LITERACY: RST.6-8.3, RST.6-8.4, RST.9-10.3, RST.9-10.4, SL.7.1, SL.8.1 & SL.9-10.1

**NASA Today**

Earth & Space Science: ESS1.B, ESS.2.A, ESS2.D, ESS3.B, ESS3.C & ESS3.D; Physical Science: PS2.A, PS4.B & PS4.C; Life Science: LS2.A, LS2.C & LS4.D; Engineering Design: ETS1.A

ELA-LITERACY: RI.4.4, RI.5.4, RST.6-8.4 & RST.9-10.4

**Orion to Moon**

Earth & Space Science: ESS1.B & ESS1.C; Physical Science: PS1.A, PS3.A, PS3.B & PS3.D; Life Science: LS2.B

ELA-LITERACY: RST.6-8.4, RST.9-10.4, SL.7.1, SL.8.1 & SL.9-10.1

**Rocketry & Propulsion**

Earth & Space Science: ESS1.B

ELA-LITERACY: RI.4.4, RI.5.4, RH.6-8.4, RST.6-8.4, RST.6-8.7 & RST.9-10.4

**Science of Spaceflight**

Physical Science: PS2.A, PS2.B & PS3.C

ELA-LITERACY: RST.6-8.4, RST.6-8.9 & RST.9-10.4, SL.7.1, SL.8.1 & SL.9-10.1

**Shuttle History, Pt. 1 & 2**

ELA-LITERACY: RI.4.4, RI.5.4, RH.6-8.4, RST.6-8.4, RST.9-10.4 & RST.11-12.4

**SLS/Orion**

Earth & Space Science: ESS1.B; ELA-LITERACY: RI. 4.4, RI. 5.4, RST.6-8.4, RST.9-10.4 & RST.11-12.4

**Space Suits – Academy**

Earth & Space Science: ESS1.B; Physical Science: PS2.A, PS2.C, PS3.A & PS3.B

Life Science: LS1.A & LS2.A

Mathematics: 7.NS.1, 7.NS.2, 7.NS.3, 7.G.4 & 8.EE.7

ELA-LITERACY: RST.6-8.3, RST.6-8.4, RST.9-10.3, RST.9-10.4, SL.7.1, SL.8.1 & SL.9-10.1

**Station History**

Earth & Space Science: ESS1.B

ELA-LITERACY: RI.4.4, RI. 5.4, RH.6-8.4, RST.6-8.4, RST.9-10.4, W.4.3, W.5.3, W.6.3, W.7.3, W.8.3 & W.9-10.3

**Thermal Design Challenge**

Physical Science: PS1.B, PS3.A, PS3.B, PS3.D & PS4.B; Engineering Design: ETS1.A, ETS1.B & ETS1.C

Mathematics: 7.NS.2, 7.NS.3, 7.G.1 & 7.G.6

ELA-LITERACY: RST.6-8.3, RST.6-8.4, RST.9-10.3, RST.9-10.4, SL. 7.1, SL.8.1 & SL.9-10.1