



## Table of Contents

Topic	Page Number	Description
Acknowledgements & Funding	3	Project Support
SDO Image & Details	4	Solar Dynamics Observatory Spacecraft
Introduction for Teachers	5	SDO Curriculum Overview
Introduction for Students	10	SDO Curriculum Overview
<b>Module 1</b>		<b>What are the features of the Sun?</b>
Activity: 1A	15	Structure of Earth's Star
Activity: 1B	28	Observing the Sun
Activity: 1C	52	Solar Research in Action: Pinhole Camera
<b>Module 2</b>		<b>How and why do we study the Sun?</b>
Activity: 2A	64	The Sun & EM Spectrum
Activity: 2B	114	Solar Activity & Magnetism
Activity: 2C	161	Solar Research in Action: Spectroscope
<b>Module 3</b>		<b>How does the Sun affect the Earth?</b>
Activity: 3A	174	Sun-Earth Interactions
Activity: 3B	185	Space Weather
Activity: 3C	200	Solar Research in Action: Magnetometer
<b>Module 4</b>		<b>SDO Exploration Museum</b>
Performance	215	3-D Solar Exhibit Teacher Guide
Assessment	223	3-D Solar Exhibit Student Guide
	230	Exploration Museum Exhibit Designs
<b>Appendices</b>		
A	282	SDO Pre & Post Assessment
B	297	Rubrics
C	301	NGSS Standards Alignment
D	305	URL Web Address List