



: K D W ' R , ' R : L W K
& U R V V F X W W L Q J & R Q F H

& D U 6 Q H L G H U

2 Q H I R W K H F R P S O D L Q W V D E F
H G X F D W L R Q L V W K D W S H W L D '
D W W K H H O H P H Q W D U \ D Q G
\$ P R Q Q W K J X Q L W R Q H F R V \ \\
I R O O R Z H G E \ D I H Z Z H H N V F
D V K R U W P R G X O H R Q Z H D W
E H W Z H H Q 7 K D Q N V J L Y L Q J D C
V K R X O G R X U V W X G H Q W V W F
W R S L F V D V H P R W L V R Q H P D Q G
D U H D O O 3 V F L H Q F H ' R W K H I
D U H W D X J K W L Q V F L H Q F H F

/
H \

7 K L V D F U L W L F D O S U R E O H P V L Q F H X Q G H U V W D Q G L Q J K R Z
X Q G H U V W D Q G L Q J W K H Q D W X U H R I V F L H Q F H L W V H O I D Q G Z
M X V W D F R O O H F W L R Q R I I D F W V R U D W E H V W D S U R E O H Q F H
A Framework for K–12 Science Education

7 K H I R O O R Z L Q J D U H E U L H I G H I L Q L
Framework 15 & S D J H Z L W K H [D
S H U I R U P D Q F H H [S H F W D W L R Q V 3 (
6 W D W H V 1 R W L F H W K D W W K H
W K H Q D P H R I W K H F U R V V F X W W L Q J
H [D P S O H V D U H G U D Z @ I W R K H J U D R G / W
P L G G O H D Q G I O L J Y K H V O F K B R O Z H O O

1. Patterns. 2 E V H U Y H G S D W W H U Q V R I I I
F O D V V L I L F D W L R Q D Q G W K H \ S U R P
L Q I O X H Q F H W K H P





