

Learning Activity Template

Title: Todd Ufford - DNA and RNA: The Nucleic Acids

Curriculum: Science

Grade-Level Span: 10th

PURPOSE:

To develop an understanding of how DNA is replicated and RNA is transcribed. To develop an understanding of how traits are passed on from parent to offspring.

DESCRIPTION:

Building DNA and RNA

ACTIVITIES	CURRICULUM STANDARDS	NETS PERFORMANCE INDICATORS
Build a strand of DNA	IV - D	1,3,5
Replicate a DNA strand		
Build an RNA strand		
Compare and contrast DNA and RNA		

TOOLS AND RESOURCES:

(List all Web sites, specific software and hardware, and other needs.)

Mr. Ufford's world of science, web site to be found by the students that will add to the understanding of the structure and function of DNA and RNA

ASSESSMENT:

(How will you assess the students' learning? If you have a rubric, record it here. Be as specific as possible.)

The students will respond to questions and statements based on the activities listed above. I will also discuss the processes and concepts with the students. The students will also send me a link via email to the website they find.

CREDITS (INCLUDING CONTACT INFORMATION):

(Record the names and e-mail addresses, if possible, of those who contributed to the development of this learning activity.)

McGraw Hill web page building site, Derek Parendo, Kris Lee, Lila Boehland, and Todd Ufford

COMMENTS:

(Have you taught this learning activity before? What are the great ah ha's/experiences you had?)

I have taught this lesson before but I have developed a web page to allow access to my students and I am including a small search aspect to the lesson.

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