

# BIOLOGY 101

*Biology According to the Days of Creation*

## Course Accreditation Program

Westfield  
Studios



**101**

Name of Student \_\_\_\_\_ Age \_\_\_\_\_

Start date \_\_\_\_\_

Completion date \_\_\_\_\_

Total hours taken to complete program \_\_\_\_\_

## **Welcome to Biology 101!** ***Biology According to the Days of Creation***

We are very excited for you to watch this biology program and learn lots of wonderful information about our God and His creation.

So that you won't get bogged down in the details, we specifically made Biology 101 as a super condensed, fun-filled, fascinating overview of the world of biology.

The 4 DVD's are the heart of this program. These 4 ½ hours are the distilled basics that you can watch over and over. If you grasp these issues, you'll have a rock-solid understanding of God's world of biology.

For further study, the Guidebook puts the DVD's in print and adds lots of interesting additional information.

For those looking to extend the biology course to a one-year high school credit, the Accreditation program is for you. A typical 1 credit course requires between 120-180 hours of work. The *Biology 101* Course Accreditation Program takes the student approximately 135 hours of biology study along with 20 hours of lab work. The activities include:

- Using the DVDs and Guidebook
- Making a Biology 101 Notebook to record all your work
- Research and lab reports
- Interesting discussion questions
- Conducting fun and easy labs.
- Taking field trips
- Using resources on the web and at your local library

Part of your reading must even include reading juvenile nonfiction biology books! These publications typically have a similar focus of condensing the facts and filling them with entertaining, relevant information, making learning fun.

We hope your whole family enjoys the process of learning together. God made the world alive and fascinating and He did it all in just 6 days!

-The Olson family at Westfield Studios

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Permission is given to you and your print shop to make copies of this Accreditation program and Guidebook for your family or class.

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## GETTING STARTED

1. **THE GUIDEBOOK AND ACCREDITATION BOOKLET.** Some people use these resources right from their computer screens and others print them. The files for these resources are found on Disc D and the instructions to open them are on the cover of Disc A. If you have any problems accessing the files, just write us at [comments@the101series.com](mailto:comments@the101series.com) and we will send you the latest files directly. Many families take Disc D to a print shop like Staples® to get it printed. (Copyright permission is at the bottom of page 2 and in the Guidebook.) Have them print the Guidebook in black and white, double sided, spiral bound with a clear front cover and black back cover. The Accreditation Booklet can be printed front and back, then center stapled.
2. **CREATE A BIOLOGY 101 NOTEBOOK.** Students are asked to start a "Biology 101 Notebook" in week one. All the work, research, and reports should be recorded in this book or they can use a computer if they prefer. Have fun with this-be creative!

**THE BIG PLAN.** There are 7 segments in Biology 101 divided into 27 individual weeks of study. If you do one segment every week it will take you about 7 months to finish. So, if you start in September you'll be done at the end of April or May the following year. The Accreditation Booklet averages 5 hours of work for every week, some a little more, some a little less.

3. **WATCH THE FILM. & DISCUSS.** Once you have an idea of what is ahead, watch the film and talk about together and do the *Discussion Questions* found at the end of each segment in the Guidebook. Then formulate a plan for how you want to do the activities in the Accreditation Program.
4. **COMPLETE THE ACTIVITY FOR EACH WEEK.** There are a variety of things to do each week. You watch the DVD at the start and at the ending week of each of the 7 segments. In between, there are labs, research topics, field trips, reports to write, samples to collect and books to read.
5. **QUIZ AND DISCUSSION QUESTIONS.** At the end of each of the 7 segments, there is a quiz and possible discussion questions covering the ideas from all the weeks addressing the topic in the segment. For example, Weeks 4, 5, 6 cover the Plant segment and on page 19-20 at the end of the plant segment in the Guidebook, there is the quiz and discussion questions after the quiz.
6. **LABS.** Students will conduct almost 20 hours of fun and easy labs for biology. None of the labs for *Biology 101* requires the dissection of any animals. The only exception is in the aquatic animals when you have the option of catching a fish and preparing it so you can eat it. In the process, we suggest you identify the parts of the fish. The other is to buy a goldfish and identify the parts as you observe it. If you wish to participate in some additional dissection, as many do, the course is very flexible for you to incorporate whatever you wish into your labs.
7. **REPORTS.** Students are often required to write reports on field trip experiences or lab work. The reports are a minimum of 200 words long. To give you an idea of length, paragraphs 4, 5, 6 and 7 in this "Getting Started" section are about 200 words long when added together. You can use library books, encyclopedias, or Internet articles to gather the information.<sup>[M1]</sup> After being written, these reports should be read aloud and discussed by the student to the family or to the teacher.
8. **SIGN OFF EACH TASK.** A lot of learning is gained by having to explain a concept to someone else. All sections, especially those orally presented to another person, should be signed off by the person who heard the presentation or by the instructor.

DVD Disc A  
**Introduction: Life Defined**

▶ ACTIVITY FOR WEEK #1 ◀	Target hours	Actual hours
Make your Biology 101 Notebook.	½ hr	
DVD: Watch the <i>Introduction</i> . Review with your instructor and/or family what was on the film.	½ hr	
Read and study guidebook pages 1-6.	1 hr	
Find an encyclopedia entry or an article on taxonomy and read it.	1 hr	
▶ ACTIVITY FOR WEEK #2 ◀		
<b>FIELD TRIP!</b> Go out to lunch or dinner! Classify the items at the restaurant table with your family.	2 hrs.	
Read a book, an article or watch a video concerning the truthfulness, accuracy and reliability of the Bible.	2 hrs.	
▶ ACTIVITY FOR WEEK #3 ◀		
Read the creation account in Genesis chapters 1 and 2.	½ hr	
DVD: Watch the <i>Introduction</i> again.	½ hr	
Read & study pgs 1-6 in the guidebook again. Take the quiz on pages 7.	1 hr	
Look up the scriptures on page 6 of the guidebook, "What Jesus Believed."	1 hr	
<b>TOTAL HOURS FOR INTRODUCTION</b>	<b>10½</b>	

DVD Disc A  
**Plants**  
*Day 3 of Creation*

▶ ACTIVITY FOR WEEK #4 ◀	Target hours	Actual hours
DVD: Watch the <i>Plants</i> section. Review with your instructor and/or family what was on the film.	1 hr	
Read and study guidebook pages 8-18.	1 hr	
Read 3-5 juvenile library books of your choice on plants. (Videos can be substituted if you wish.)	2 hrs.	
<b>LAB WORK</b> Identify 10 plants in your yard. Find vascular and nonvascular plants.	2.5 hrs.	
▶ ACTIVITY FOR WEEK #5 ◀		
<b>FIELD TRIP!</b> Go to a nursery and identify several different plants and plant parts mentioned in the guidebook. Take Notes!	2 hrs.	
Write a 200 word essay on your field trip experience.	2 hrs.	
Read 2-3 non-juvenile library books of your choice on plants.	3 hrs.	
▶ ACTIVITY FOR WEEK #6 ◀		
Bible & Plants: Do a 1 hour study of plants mentioned in the Bible.	1 hr	
DVD: Watch the <i>Plants</i> section again.	½ hr	
Read & study pgs 8-18 in the guidebook again. Take the quiz on pages 19 and 20.	1 hr	
Discuss questions on page 21 in guidebook.	1 hr	
<b>TOTAL HOURS FOR PLANTS</b>	<b>17</b>	