



## Fernbank Science Center

<b>Title:</b>	GROWING UP (2547)	<b>Type:</b>	Single Visit
<b>Level:</b>	5th Grade	<b>Length:</b>	1.5 hours
<b>Location:</b>	Main Building	<b>Limit:</b>	1 class

### **Program Description**

*Choose either Growing Up Girls 2549 or Growing Up Boys 2548*

See the following page for a description of each program

### **Georgia Performance Standards Addressed**

S5L2 recognize that offspring can resemble parents in inherited traits and learned behaviors; S5CS2 use computation and estimation skills necessary for analyzing data and following scientific explanations.

S5L3(b) identify parts of an animal cell (membrane, cytoplasm and nucleus)....

HPE.FL.(obj.11) understand that the most important change of puberty is that young people become capable of childbearing;

HPE.FL.(obj.12) recognize the importance of the role that both mothers and fathers play in the nurturing, guidance, care and support of the child;

HPE.FL.(obj.13) recognize that having a child involves a commitment on the part of both mother and father to nurture, guide, care for and support the child

the part of both mother and father to nurture, guide, care for and support the child;

HPE.GD.(obj:16) describe the changes that occur (to females) during puberty; (physical, emotional and social)

HPE.PH.(obj:25) develop strategies and skills for maintaining an adequate level of personal hygiene, emphasizing changes during puberty.

ELACC5SL1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly

5.MD.2. write simple expressions that record calculations with numbers

### **Vocabulary**

Specific to each program

### **-Visit Activities**

An introductory unit should be done by the teacher prior to the visit to Fernbank orienting the students to the topics to be discussed. Refer to the Guidelines for Sex Education in the DeKalb Schools.

### **Post-Visit Activity**

2549 Activity: This activity addresses GPS S5CS5(c), M5D2 and QCC HPE.GD.(obj.16).

### **Resources**

Video: Everything You Wanted to Know About Puberty...by Disney Educational Productions  
TF 12/12

## Fernbank Science Center

**Title:** GROWING UP - GIRLS (2549 )      **Type:** Single Visit  
**Level:** 5th Grade      **Length:** 1.5 hours  
**Location:** Main Building      **Limit:** 1 class

### **Program Description**

This lesson is a discussion of the physical and emotional changes that girls go through during puberty and adolescence. Models in the room are used to show and discuss the female reproduction system, with special emphasis on the menstrual cycle and personal hygiene. Personal products available for use during menstruation are shown and discussed.

### **Please Note:**

Please Note: Terms related to the male reproductive system are sometimes discussed.

### **Georgia Performance Standards Addressed**

S5L2 recognize that offspring can resemble parents in inherited traits and learned behaviors;  
S5CS2 use computation and estimation skills necessary for analyzing data and following scientific explanations.

S5L3(b) identify parts of an animal cell (membrane, cytoplasm and nucleus)....

HPE.FL. (obj.11) understand that the most important change of puberty is that young people become capable of childbearing;

HPE.FL. (obj.12) recognize the importance of the role that both mothers and fathers play in the nurturing, guidance, care and support of the child;

HPE.FL.(obj.13) recognize that having a child involves a commitment on the part of both mother and father to nurture, guide, care for and support the child

the part of both mother and father to nurture, guide, care for and support the child;

HPE.GD.(obj:16) describe the changes that occur (to females) during puberty; (physical, emotional and social)

HPE.PH.(obj:25) develop strategies and skills for maintaining an adequate level of personal hygiene, emphasizing changes during puberty.

ELACC5SL1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly

5.MD.2. write simple expressions that record calculations with numbers

### **Vocabulary**

adolescence	breasts	egg (ovum)	estrogen
fallopian tubes	hormones	menstruation (period)	ovary
penis	pituitary gland	puberty	sperm
testicles	urethra	uterus	vagina

### **Pre-Visit Activities**

An introductory unit should be done by the teacher prior to the visit to Fernbank orienting the students to the topics to be discussed. Refer to the Guidelines for Sex Education in the DeKalb Schools.

### **Post-Visit Activity**

2549 Activity: This activity addresses GPS S5CS5(c), M5D2 and QCC HPE.GD.(obj.16).

### **Resources**

Video: Everything You Wanted to Know About Puberty.For Girls Disney Educational Productions

## Fernbank Science Center

**Title:** GROWING UP - BOYS (2548 )      **Type:** Single Visit  
**Level:** 5th Grade      **Length:** 1.5 hours  
**Location:** Main Building      **Limit:** 1 class

### **Program Description**

This lesson is a discussion of the physical and emotional changes that boys go through during puberty and adolescence. Models in the room are used to show and discuss the male reproductive system, with special emphasis on erection, ejaculation, nocturnal emissions and personal hygiene.

#### **Please Note:**

Terms related to the female reproductive system are sometimes discussed.

### **Georgia Performance Standards Addressed**

S5L2 recognize that offspring can resemble parents in inherited traits and learned behaviors;  
S5CS2 use computation and estimation skills necessary for analyzing data and following scientific explanations.

S5L3(b) identify parts of an animal cell (membrane, cytoplasm and nucleus)....

HPE.FL.(obj.11) understand that the most important change of puberty is that young people become capable of childbearing;

HPE.FL.(obj.12) recognize the importance of the role that both mothers and fathers play in the nurturing, guidance, care and support of the child;

HPE.FL.(obj.13) recognize that having a child involves a commitment on the part of both mother and father to nurture, guide, care for and support the child;

HPE.GD.(obj:16) describe the changes that occur (to males) during puberty;(physical, emotional and social)

HPE. PH.(obj:25) develop strategies and skills for maintaining an adequate level of personal hygiene, emphasizing changes during puberty.

ELACC5SL1 engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly

5.MD.2. write simple expressions that record calculations with numbers

### **Vocabulary**

adolescence	egg	ejaculation	erection
hormones	penis	pituitary gland	puberty
semen	sperm	testicles (testes)	testosterone
urethra	uterus	vagina	wet dream (nocturnal emission)

### **Pre-Visit Activities**

An introductory unit should be taught by the teacher prior to the visit to Fernbank orienting the students to the topics to be discussed. Refer to the Guidelines for Sex Education in the DeKalb Schools.

### **Post-Visit Activity**

2548 Activity: This activity addresses GPS S5CS5(c), M5D2 and QCC HPE.GD.(obj. 16)

### **Resources**

Video: Everything You Wanted to Know About Puberty - For Boys by Disney Educational Productions