



6TH, 7TH ,8TH

REQUIREMENTS

These are the requirements for learners in grades 6, 7, 8

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REQUIREMENTS FOR GRADES 6, 7, 8

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REQUIREMENTS FOR GRADES 6, 7, 8

INTRODUCTION

This is a guide/addendum to the Learner Success Guide for Orion High School. Learners in grades 6, 7, and 8, must do the following:













- Learners are required to take the four core courses.
- Learners are required to engage in Bible reading and study throughout the grade level (see below).
- Learners are required to engage in at least one elective course in languages level 1, or in learning how to use Microsoft Word and PowerPoint.
- Learners will receive Physical Education credit for involvement in activities that are pre-approved and documented.
- Learners will receive fine arts credit for documented and pre-approved programs

The curriculum below, explains more specifically, what 6th-7th-8th grade students learn in the various courses.

REQUIREMENTS FOR GRADES 6, 7, 8

GRADE 6














MATHEMATICS

- [-]  Module 1-Whole Numbers and Patterns
 -  [6th Math Module 1 - Whole Numbers and Patterns](#)
- [-]  Module 2-Introduction to Algebra
 -  [6th Math Module 2 - Introduction to Algebra](#)
- [-]  Module 3 - Decimals
 -  [6th Math Module 3 - Decimals](#)
- [-]  Module 4 - Number Theory and Fractions
 -  [6th Math Module 4 - Number Theory and Fractions](#)
- [-]  Module 5 - Fraction Operations
 -  [6th Math Module 5 - Fraction Operations](#)
- [-]  Module 6 - Collecting and Displaying Data
 -  [6th Math Module 6 - Collecting and Displaying Data](#)

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In addition to an introductory module, 6th grade math consists of the mathematics topics above. Students should have completed 5th grade mathematics.

SCIENCE


- [-]  Physical Science Modules
 - [-]  Start Here - Creating Your Science Journal
 -  [Using Penzu for Your Science Journal](#)
 - [-]  Module 1 - The Structure of Matter
 -  [6th Physical Science Module 1- The Structure of Matter](#)
 - [-]  Module 2 - Physical and Chemical Properties of Matter
 -  [6th Physical Science Module 2 Properties of Matter](#)
 - [-]  Module 3 - States of Matter
 -  [6th Physical Science Module 3 - States of Matter](#)
 - [-]  Module 4 - Elements - Compounds - Mixtures
 -  [6th Physical Science Module 4 - Elements, Compounds, Mixtures](#)
 - [-]  Module 5 - The Atom
 -  [6th Science Module 5 - The Atom](#)

REQUIREMENTS FOR GRADES 6, 7, 8


In 6th grade, learners concentrate on Physical Science, including the study of matter, elements, compounds, mixtures, and culminating with the atom. Learners begin by understanding how to keep and follow through with a Science Journal and complete virtual labs along the way.

SOCIAL STUDIES


Module 1 - Mesopotamia

 [6th World History Module 1-Ancient Mesopotamia](#)


Module 2 - Ancient Egypt

 [OMS World History Module 2 - A Study of Ancient Egypt](#)

Module 3 - The Phoenicians

 [6th World History Module 3 - The Phoenicians](#)

Module 4 - Early Chinese Civilizations

 [OMS 6th Grade World History Module 4 - Chinese Civilizations](#)

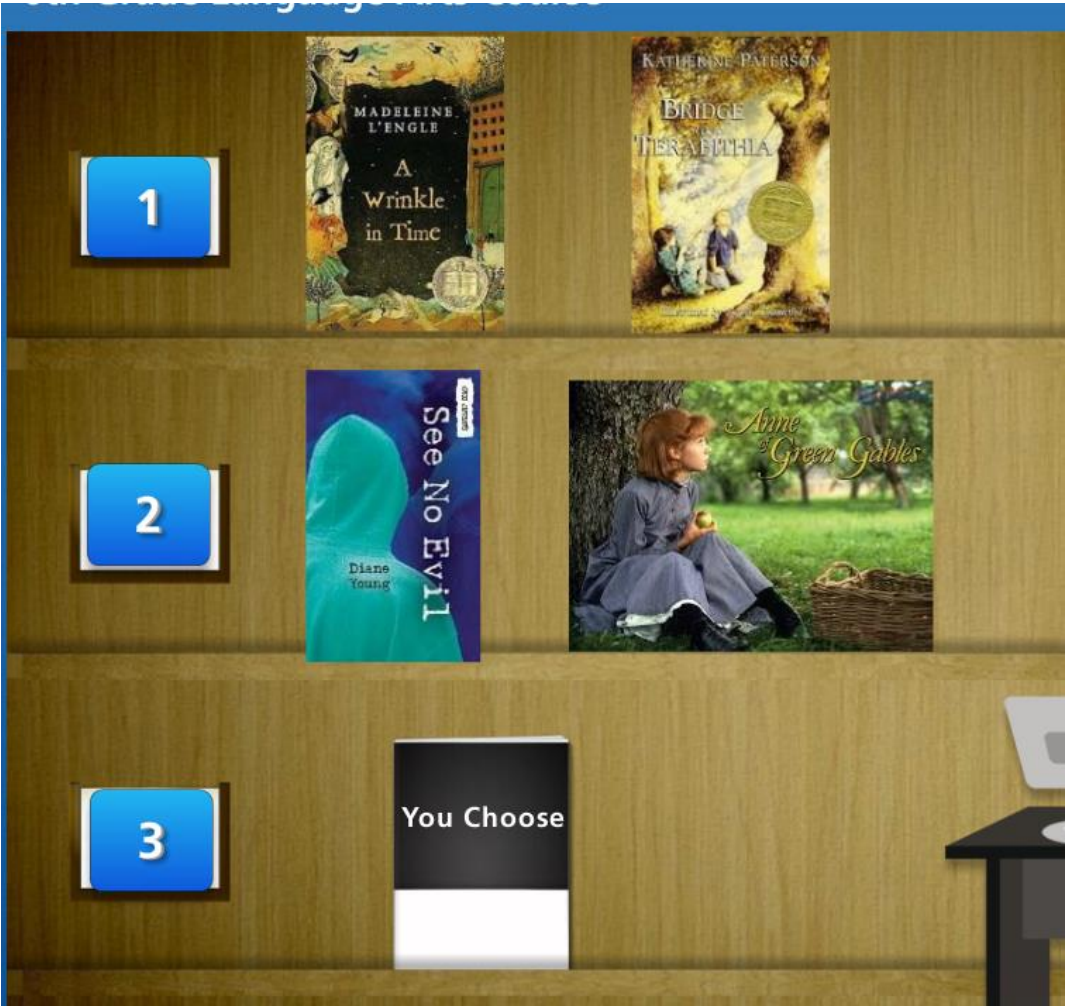
Module 5 - Ancient Greece

 [OMS - 6th World History Module 5](#)

In 6th grade social studies learners begin with ancient World History by starting with Ancient Mesopotamia and culminating with Ancient Greece.

REQUIREMENTS FOR GRADES 6, 7, 8

LANGUAGE ARTS




In 6th Grade Language Arts, learners begin with the Writing Process, and by learning about Narrative Writing. They then use their knowledge of narrative writing as they read the four required books: A Wrinkle in Time, Bridge to Terabithia, See No Evil, Anne of Green Gables, and an additional self-selected book. Learners learn to pace out their reading; to create an understanding of plot; reading fluency, and comprehension.

REQUIREMENTS FOR GRADES 6, 7, 8


GRADE 7

MATH


Math Modules

 [7th Grade Math Module 1 - Algebraic Reasoning](#)

 [7th Grade Math Module 2 - Algebraic Thinking Part 2](#)

 [7th Grade Math Module 3 - Using Integers](#)


 [7th Grade Math Module 4 - More Algebraic Thinking](#)


 [7th Math Module 5 Using Decimals](#)


 [7th Math Module 6 - Working with Fractions](#)


In addition to an introductory module, 7th grade learners begin with algebraic reasoning, and continue through working with fractions. Mathematics works with learners through problem solving in real-work situations while ensuring fluency in operations of addition, subtraction, multiplication, and division.


SCIENCE

 [7th Grade Life Science Module 1 - Introduction to Life Science and Scientific Method](#)

 [7th Grade Life Science Module 2 - The Nature of Science](#)

 [7th Grade Science Module 3 - Ecology](#)

 [7th Grade Science Module 4- Preservation](#)

 [7th Grade Life Science Module 5](#)

In 7th grade, science focuses on life science, by introducing and implementing the scientific method, and culminating in cells. Learners begin to utilize the scientific method in conducting their laboratories, and discussions. The use of the Science Journal continues.

REQUIREMENTS FOR GRADES 6, 7, 8

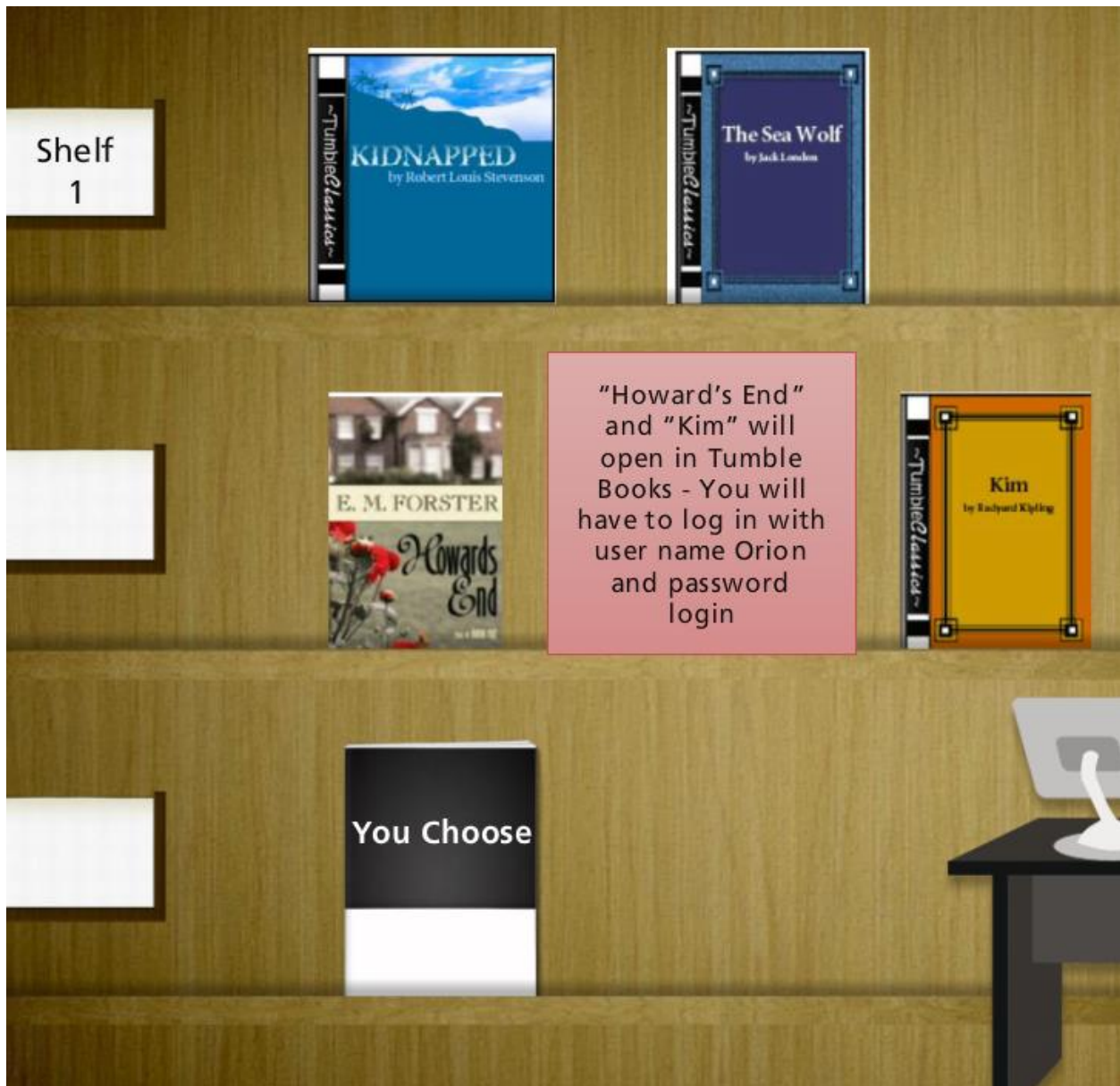
SOCIAL STUDIES

- ☐  Module 1 - Early Civilizations Part 1
 - ☐  [7th Grade History Module 1-Early Civilizations](#)
- ☐  Module 2 - Empires of the Americas
 - ☐  [7th Grade History Module 2 - Empires of the Americas](#)
- ☐  Module 3 - The English Colonies
 - ☐  [7th Grade Social Studies Module 3 - The English in North America](#)
- ☐  Module 4 - Independence
 - ☐  [7th Grade Social Studies Module 4](#)
- ☐  Module 5 - Articles of Confederation
 - ☐  [7th Social Studies - Module 5 - Artcles of Confederation](#)
- ☐  Module 6 - A Federal Government is Established
 - ☐  [A Federal Government is Established](#)

In 7th grade Social Studies, learners begin with the early America's, and continuing through the establishment of the United States Government.

REQUIREMENTS FOR GRADES 6, 7, 8

LANGUAGE ARTS















In 7th Grade Language Arts, learners begin with an understanding of the writing, while focusing in on descriptive writing. Learners continue to the required reading: Kidnapped, The Sea Wolf, Howard's End, Kim, and a self-selection. Learners are introduced to Literary Terms and use those as they present their understanding of the writing requirements through their novel reading.

REQUIREMENTS FOR GRADES 6, 7, 8










GRADE 8

MATH

- ☐  Module 1-Algebraic Expressions and Integers
 -  [8th Math Module 1 - Algebraic Expressions and Integers](#)
- ☐  Module 2- Solving One-Step Equations and Inequalities
 -  [8th Math Module 2-Solving One Step Equations and Inequalities](#)
- ☐  Module 3-Decimals and Equations
 -  [8th Math Module 3-Decimals and Equations](#)
- ☐  Module 4-Factors-Fractions-Exponents
 -  [8th Math Module 4-Factors-Fractions-Exponents](#)
- ☐  Module 5-Operations with Fractions
 -  [8th Math Module 5-Operations with Fractions](#)
- ☐  Module 6-Ratios-Proportions-Percents
 -  [8th Math Module 6 - Ratios-Proportions-Percents](#)

Learners in 8th Grade math begin pre-algebra by being introduced to expressions and integers, and culminating with ratio, proportions, and percent. Fluency is critical as learners now begin to use operations in order to solve problems.

SCIENCE

- ☐  Earth Science Modules
 -  [8th Earth Science Module 1 - An Introduction](#)
 -  [Module 1 - Pages from the Book](#)
 -  [8th Earth Science Module 2 - The Composition of Earth](#)
 -  [Orion Middle School Science - Chemical Changes](#)
 -  [Earth Science Module 4 - The Atom](#)
 -  [OMS Earth Science Module 5 - Rocks and Minerals](#)
 -  [Earth Science Module 6 - Igneous Rocks](#)
 -  [OMS Earth Science Module 7 - Dynamic Earth](#)

8th grade science continues where 7th left off and concentrates on physical science of the Earth. The course begins with an introduction to Earth Science and culminates with a study of the Earth's structure. Learners use the Orion Lab Report to demonstrate their understanding of the scientific method, during labs.

REQUIREMENTS FOR GRADES 6, 7, 8

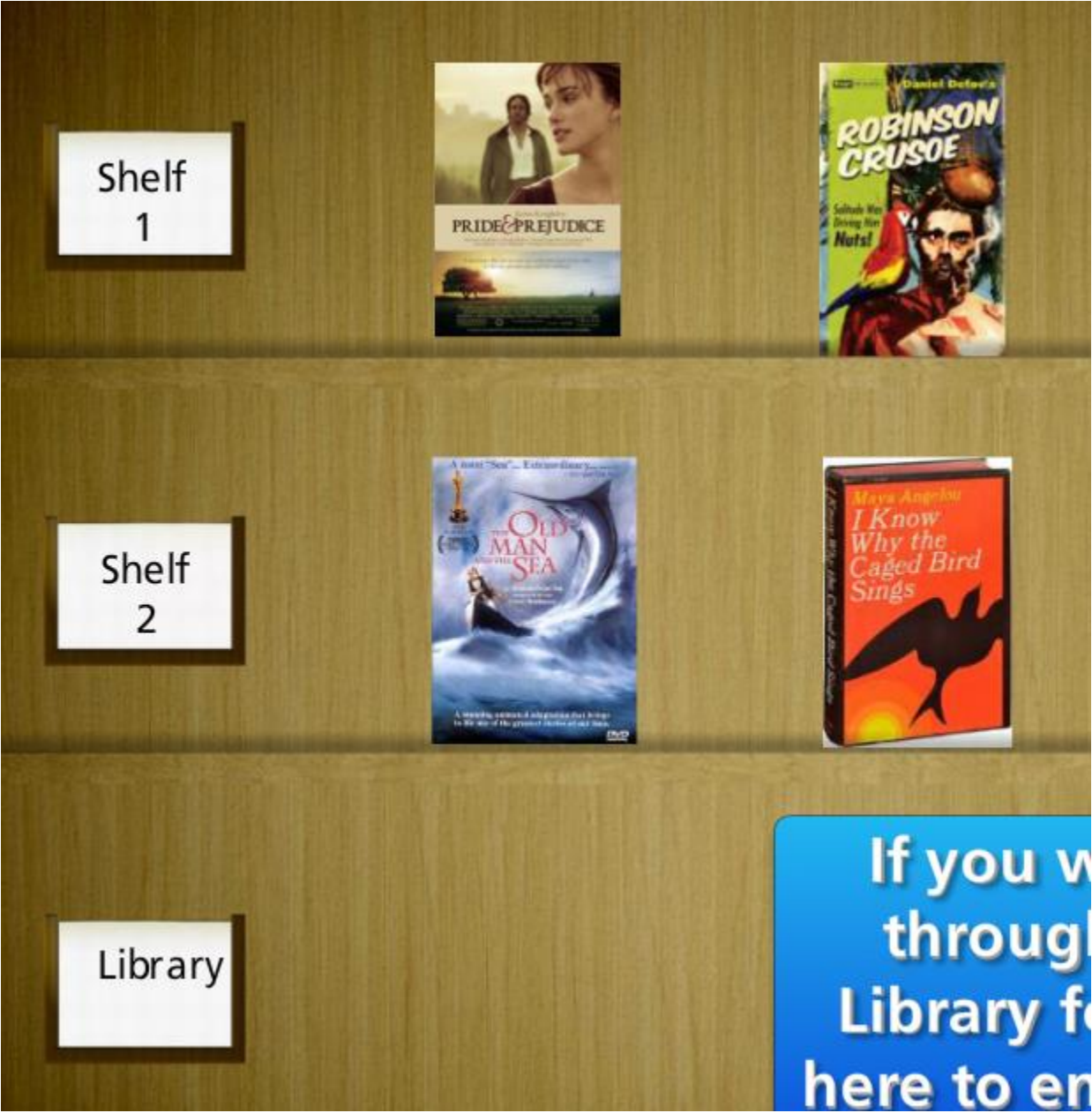
SOCIAL STUDIES

- [-] Social Studies Modules
 - [-] Module 1 - Introduction to Civics and Government
 - [-] [OMS 8th Grade Civics Module 1-Introduction to Civics and Government](#)
 - [-] Module 2- The Diversity of the USA
 - [-] [8th Grade Civics - Module 2](#)
 - [-] Module 3 - Our English Heritage
 - [-] [8th Civics Module 3 - Roots of Democracy](#)
 - [-] Module 4 - A New Nation is Born
 - [-] [8th Civics Module 4 - Birth of a Democratic Nation](#)
 - [-] Module 5 - The Nation's First Governments
 - [-] [8th Civics Module 5 - The Nations First Governments](#)

In 8th grade social studies, learners continue their understanding of early American History, by concentrating on their role in civics and government.

REQUIREMENTS FOR GRADES 6, 7, 8

LANGUAGE ARTS



In 8th grade language arts, learners begin with the writing process, to include an understanding of persuasive writing. They continue to the four required novels of the course: Pride and Prejudice, Robinson Crusoe, The Old Man and the Sea, and I know Why the Caged Bird Sings. All activities center on writing for persuasion, and include knowledge of plot, summary, characterization, and theme.

REQUIREMENTS FOR GRADES 6, 7, 8

ADDITIONAL REQUIREMENTS FOR 6-7-8

BIBLE STUDY

Beginning in 2018, all 6th, 7th, and 8th grade learners are required to participate in and document their study in Bible.

6TH BIBLE STUDY

Old Testament

- The Beginning
- The Patriarchs
- Moses and the Exodus
- Wilderness Wanderings and Conquest of Canaan
- The Judges -- The First King
- The United Kingdom

7TH BIBLE STUDY

Old Testament

- The Divided Kingdom
- The Prophets and Nehemiah, Esther and Job
- Leaders In Israel

New Testament

- The Birth Of Jesus And The Beginning Of His Ministry
- People Jesus Knew And Taught

8TH BIBLE STUDY

New Testament

- The Miracles Of Jesus
- The Parable Of Jesus
- The Final Week
- The Book Of Acts, Part One
- The Book Of Acts, Part Two
- Living The Christian Life

REQUIREMENTS FOR GRADES 6, 7, 8

LANGUAGES FOR 6, 7, 8

6th, 7th, and 8th graders may take level 1, 2, or 3 of any language. Note, though, that high school credit will only be awarded for 7th and 8th.