

“Each child is unique and develops at their own pace, but there are predictable patterns in child and adolescent development. This guide is intended to help you identify and understand these patterns so that you can better support your child’s learning at home and in school.”



(Yardsticks/Responsive Classroom, Chip Wood)

Physical Development:

- Wide differences in the rate of physical growth among individuals; girls 95% of mature height is average; boys - voice change; growth about a year behind girls.
- Skin problems emerging; hygiene a key issue.
- Eating patterns change.
- Uneven coordination.
- Worry about being normal, physically

Social-Emotional/Academic Development:

- May further develop their personality
- Able to **felt** on personal decisions and relationships
- Develop new friendships
- Appear to feel secure
- Concerned with others’ opinions
- Don’t always follow through with routines, but recognize that it is important
- Ability to complete long term assignments
- Can think abstractly about concepts

Throughout the year your grade 7 student will experience...

<p><u>Physical Education</u></p> <ul style="list-style-type: none"> • Movement concepts with emphasis on self and spacial awareness • Underhand and overhand throwing • Playing cooperative games • Dancing, choreographed and improvised 	<p><u>Library</u></p> <ul style="list-style-type: none"> • Use of the library and library resources • Using online resources • Elements of fake news • Plagiarism and tools to use to avoid (intro to Noodletools) • Intro to MLA format
<p><u>Health</u></p> <ul style="list-style-type: none"> • Understanding and developing a healthy and active self • Knowledge about alcohol, tobacco, and other drugs • Family life and community health skills 	<p><u>World Language</u></p> <ul style="list-style-type: none"> • Basic vocabulary • Places • Dinner foods, restaurants • Taking a trip
<p><u>Music</u></p> <ul style="list-style-type: none"> • Singing songs and playing basic instruments • Performing songs in front of an audience 	<p><u>Social Emotional Learning</u></p> <ul style="list-style-type: none"> • Participate in Character Education lessons • Participate in Mindful practices
<p><u>Technology</u></p> <ul style="list-style-type: none"> • Using academic programs, including the Google Suite of Apps for Education • Attend class in the technology lab • Explore the ethical use of technology and intellectual property • Use the design process to create a 3D model 	<p><u>Art</u></p> <ul style="list-style-type: none"> • Experimentation with various art media including but not limited to clay, acrylic paint, pastel and digital platforms



By the end of Grade 7, your child will know how to...

<p><u>Reading</u></p> <ul style="list-style-type: none"> • Engage in productive and collaborative discussions • Cite several pieces of textual evidence and make relevant connections to support analysis of the text • Determine a theme or central idea of a text and analyze its development throughout the text • Analyze how story elements interact throughout a text 	<p><i>Practice these skills at home ~</i></p> <ul style="list-style-type: none"> • Build reading stamina with more challenging texts • Discuss the texts with your children in terms of character, setting, point of
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Writing

- Analyze how an author develops the points of view of different characters in a text
- Use textual evidence to develop and defend inferences
- Write arguments to support claims with clear reasons and relevant evidence
- Write informative texts to thoroughly examine a topic and express ideas, concepts, and information
- Write narratives to develop real or imagined experiences using sensory and descriptive details and well-structured sequences.
- Cite sources on a works cited page

Social Studies

- Think analytically and systematically about how past and present interactions of people, cultures, and the environment shape the American heritage and government and affect issues across time and cultures.
- To be active, informed citizens who value diversity and promote cultural understanding by working collaboratively to address the challenges that are inherent in living in an interconnected world.

Science

- Develop models to describe the atomic composition of simple molecules and extended structures.
- Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.
- Develop and use a model to describe the function of a cell and ways the parts of cells contribute to the function.
- Use arguments supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.
- Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.
- Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.
- Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.

Math

- Perform math operations on rational numbers (including signed numbers and fractions); apply properties (including commutative, associative, distributive); and, evaluate numerical expressions.
- Study geometrical figures and solve real-life and mathematical problems involving angle measurements, area, surface area, and volume.
- Determine the value of variables in equations, use properties and combine like terms to simplify expressions
- Analyze proportional relationships. Use the knowledge of equations to set up and solve proportions.
- Determine unit rates and evaluate ratios.
- Use percents to solve real-world problems, including tax/tip/interest/commission and more.
- Use probability models to determine the likelihood of an event, as well as the probability of compound events.
- Use concepts and skills from ratios and proportions to

view and theme development - go beyond plot

Practice these skills at home ~

- Have your child be specific when telling a story
- Ask for detailed reasons with “evidence” when you child makes a request

Practice these skills at home ~

- Discuss how content in class connects the community
- Participate in local and global communities
- Work together to make informed decisions about local, state, national, and global events based on inquiry and analysis

Practice these skills at home ~

- Ask questions and define problems.
- Analyze infographics and graphs (from online and print)
- Practice problem solving
- Develop and use models (such as toy bricks, cardboard, etc.)
- Plan and carry out investigations
- Use a ruler to measure in metric
- Practice arguing one side using evidence from reliable sources.
- Have discussions about current science events

Practice these skills at home ~

- Measure and weigh when cooking using both measurement systems.
- Measure with rulers and meter sticks
- Balance banking accounts; have students work with budgets.
- Determine amount of supplies needed for home projects.
- Calculate unit rate to help determine better buy when shopping.
- Calculate tax, tip, discount, sale price, interest, etc. based on totals.
- Determine probability while playing board games (i.e. how likely that you roll a five)?
- Compare statistics for sport events (i.e.

write probability as ratios.

- Review data representations through a variety of graphs. Compare, make observations, and draw inferences about samples and populations using measures of central tendency.

compare batting averages).

- Read graphs (online, newspapers). Ask and answer questions about graphs.

Recommended Resources:

- Yardsticks, by Chip Wood
- www.responsiveclassroom.org
- www.childdevelopmentinfo.com

Please visit your child's teacher website for additional resources and information at www.ctsdnj.org.