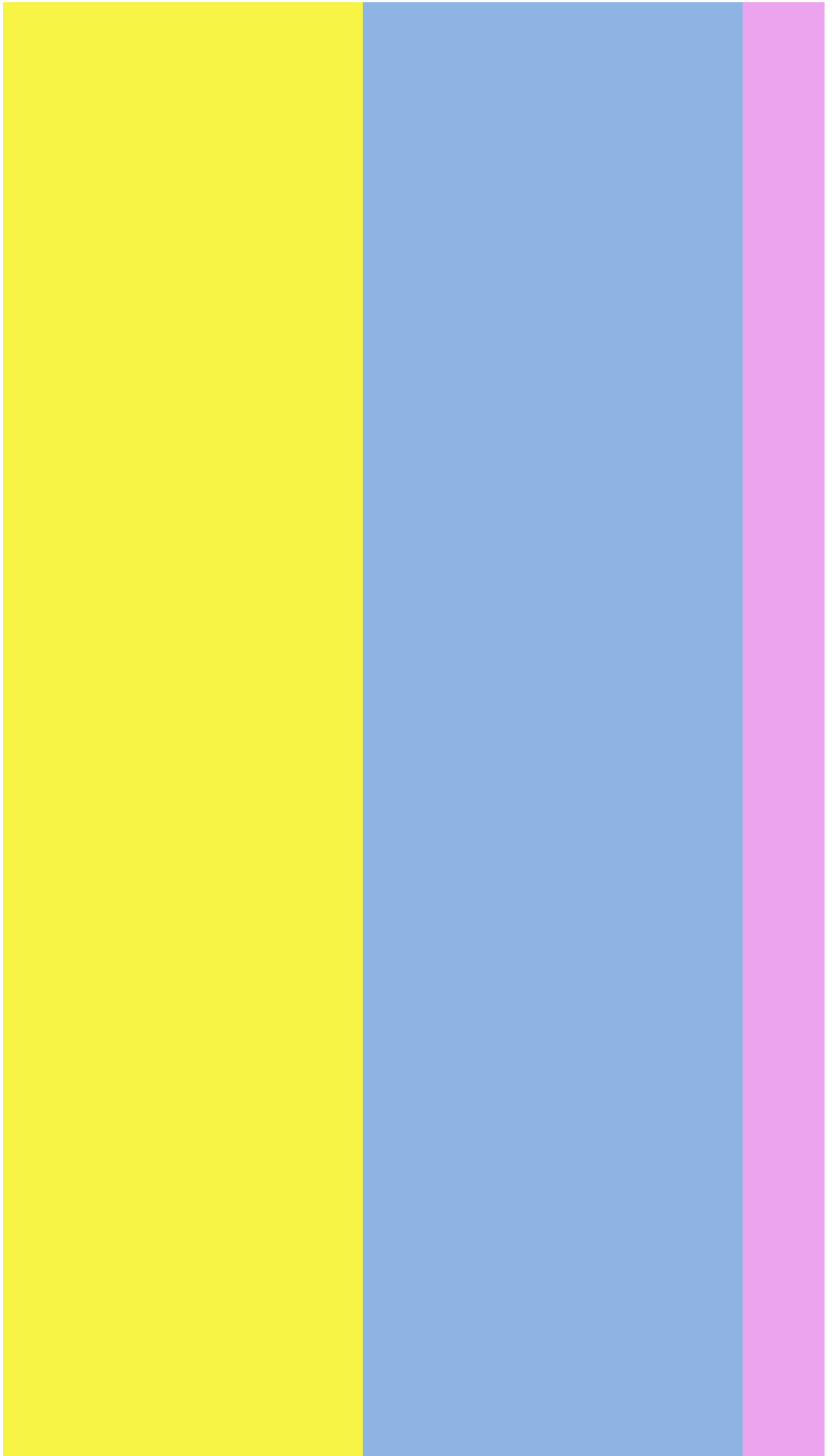| Year Group	code	e-safety	code	Programming	code
Year 1	Y1-ES1	I can keep my password private	Y1-P1	I can give instructions to my friend and follow their instructions to move around	Y1-HD1
	Y1-ES2	I can tell you what personal information is	Y1-P2	I can describe what happens when I press buttons on a robot	Y1-HD2
	Y1-ES3	I can tell an adult when I see something unexpected or worrying online	Y1-P3	I can press the buttons in the correct order to make my robot do what I want	Y1-HD3
	Y1-ES4	I can talk about why it's important to be kind and polite	Y1-P4	I can describe what actions I will need to do to make something happen and begin to use the word 'algorithm'	Y1-HD4
	Y1-ES5	I can agree and follow sensible e-safety rules	Y1-P5	I can begin to predict what will happen for a short sequence of instructions	
			Y1-P6	I can begin to use software/apps to create movement and patterns on a screen	
			Y1-P7	I can use the word debug when I correct mistakes when I program	
Year Group	code	e-safety	code	Programming	code
Year 2	Y2-ES1	I can explain why I need to keep my password and personal information private	Y2-P1	I can give instructions to my friend (using forward, backward and turn) and physically follow their instructions	Y2-HD1
	Y2-ES2	I can describe the things that happen online that I must tell an adult about	Y2-P2	I can tell you the order I need to do things to make something happen and talk about this as an algorithm	Y2-HD2
	Y2-ES3	I can talk about why I should go online for a short amount of time	Y2-P3	I can program a robot or software to do a particular task	Y2-HD3
	Y2-ES4	I can talk about why it is important to be polite online and in real life	Y2-P4	I can look at my friend's program and tell you what will happen	Y2-HD4
	Y2-ES5	I know that not everyone is who they say they are on the Internet	Y2-P5	I can use programming software to make objects move	Y2-HD5
			Y2-P6	I can watch a program execute and spot where it goes wrong so that I can debug it	
Year Group	code	e-safety	code	Programming	code
Year 3	Y3-ES1	I can talk about what makes a secure password and why they are important	Y3-P1	I can break an open-ended problem up into smaller parts	Y3-HD1
	Y3-ES2	I can protect my personal information when I do different things online	Y3-P2	I can put programming commands into a sequence to achieve a specific outcome	Y3-HD2
	Y3-ES3	I can use the safety features of websites as well as reporting concerns to an adult	Y3-P3	I keep testing my program and can recognise when I need to debug it	Y3-HD3

Year Group	code	e-safety	code	Programming	code
	Y3-ES4	I can recognise websites and games appropriate for my age	Y3-P4	I can use repeat commands	Y3-HD4
	Y3-ES5	I can make good choices about how long I spend online	Y3-P5	I can describe the algorithm I will need for a simple task	Y3-HD5
	Y3-ES6	I ask an adult before downloading files and games from the Internet	Y3-P6	I can detect a problem in an algorithm which could result in unsuccessful programming	Y3-HD6
	Y3-ES7	I can post positive comments online			
Year Group	code	e-safety	code	Programming	code
Year 4	Y4-ES1	I choose a secure password when I am using a website	Y4-P1	I can use logical thinking to solve an open-ended problem by breaking it up into smaller parts	Y4-HD1
	Y4-ES2	I can talk about the ways I can protect myself and my friends from harm online	Y4-P2	I can use an efficient procedure to simplify a program	Y4-HD2
	Y4-ES3	I use the safety features of websites as well as reporting concerns to an adult	Y4-P3	I can use a sensor to detect a change which can select an action within my program	Y4-HD3
	Y4-ES4	I know that anything I post online can be seen by others	Y4-P4	I know that I need to keep testing my program while I am putting it together	Y4-HD4
	Y4-ES5	I choose websites and games that are appropriate for my age	Y4-P5	I can use a variety of tools to create a program	Y4-HD5
	Y4-ES6	I can help my friends make good choices about the time they spend online	Y4-P6	I can recognise an error in a program and debug it	
	Y4-ES7	I can talk about why I need to ask a trusted adult before downloading files and games from the Internet	Y4-P7	I recognise that an algorithm will help me to sequence more complex programs	
	Y4-ES8	I comment positively and respectfully online	Y4-P8	I recognise that using algorithms will also help solve problems in other learning, such as Maths, Science and Design & Technology	
Year Group	code	e-safety	code	Programming	code
	Y5-ES1	I protect my password and other personal information	Y5-P1	I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program	Y5-HD1
	Y5-ES2	I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult	Y5-P2	I can use the word debug when I correct mistakes when I program	Y5-HD2
	Y5-ES3	I know that anything I post online can be seen, used and may affect others	Y5-P3	I can use a variable to increase programming possibilities	Y5-HD3

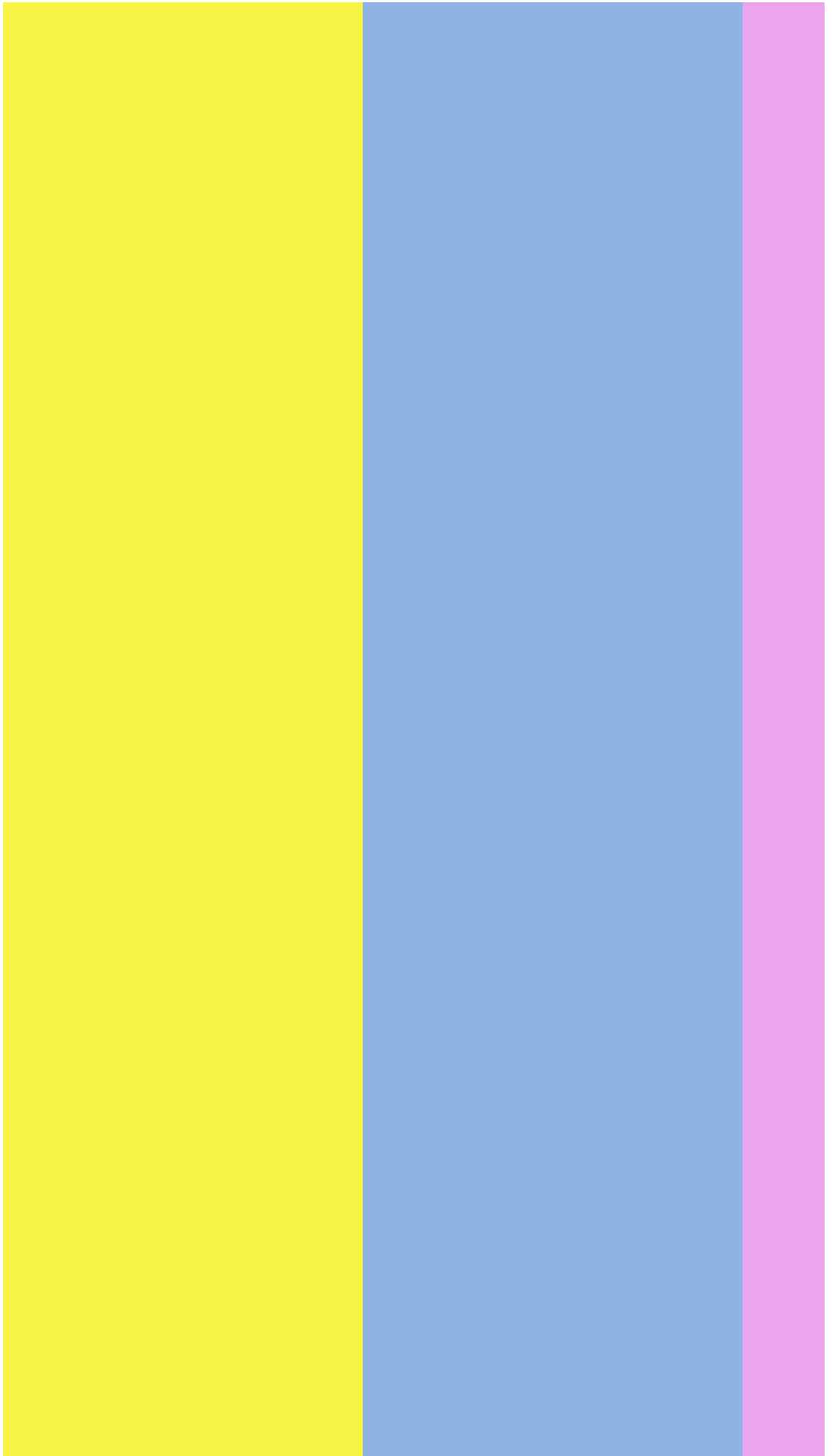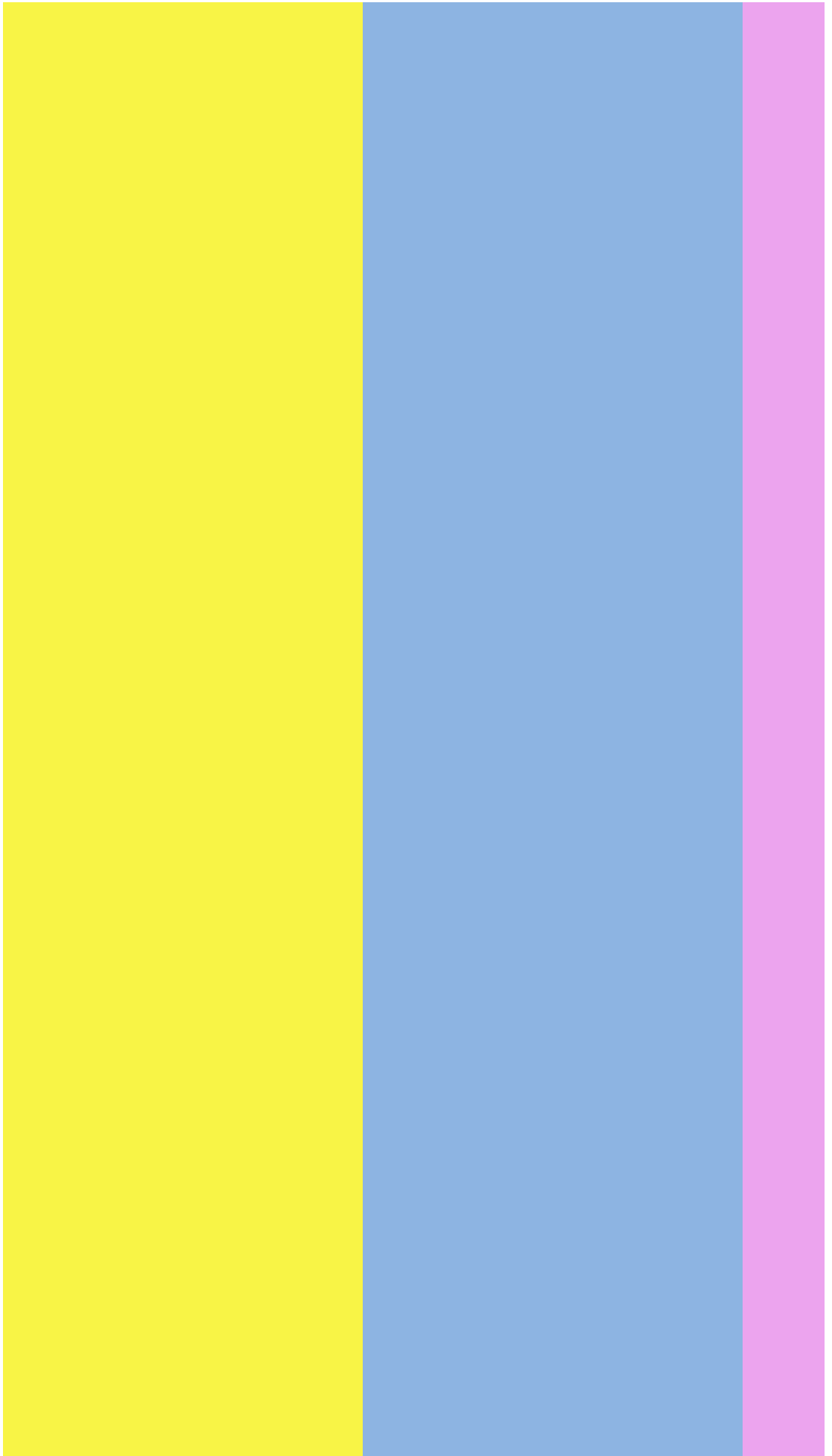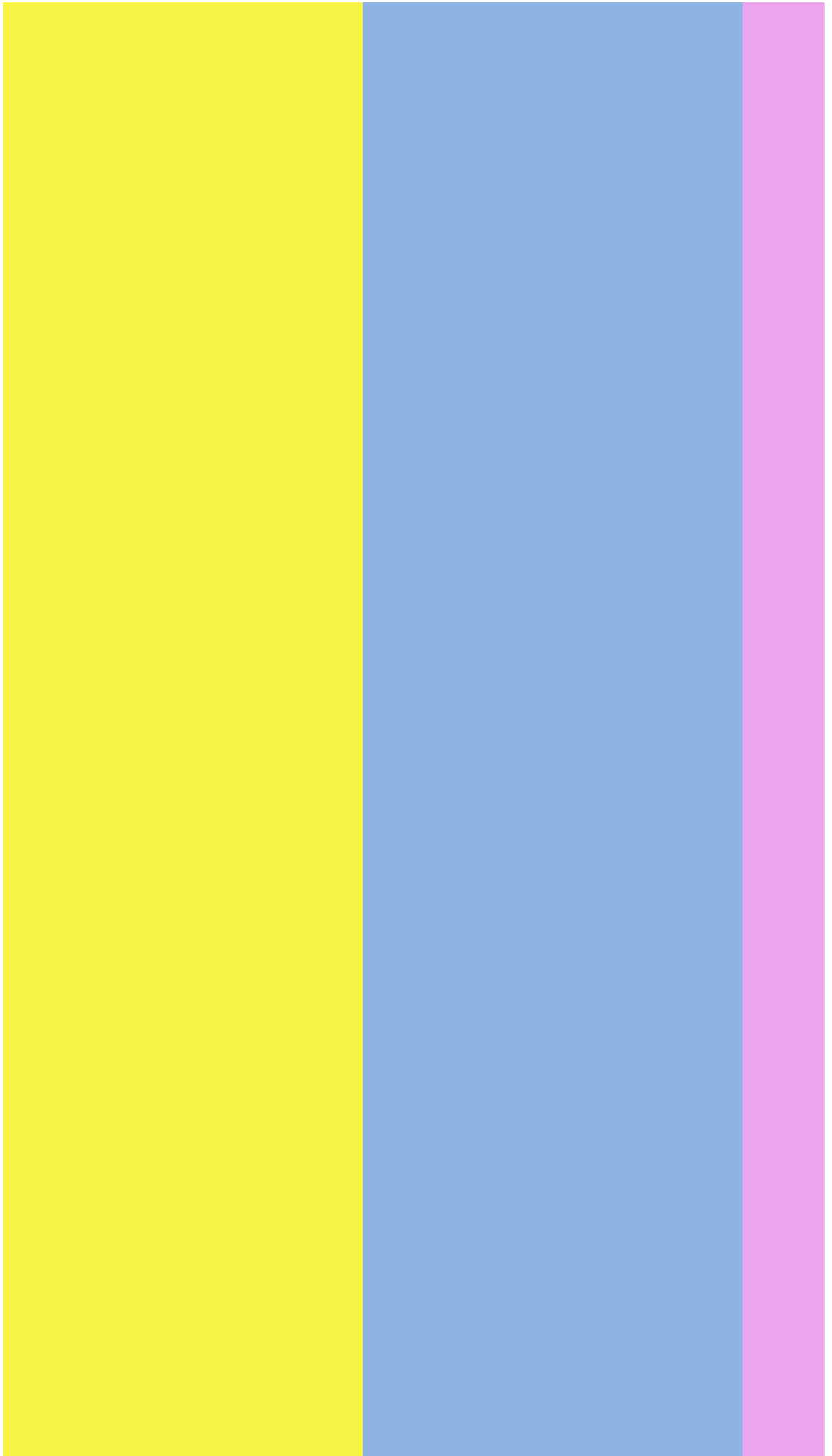| Year Group	code	e-safety	code	Programming	code
Year 5	Y5-ES4	I can talk about the dangers of spending too long online or playing a game	Y5-P4	I can change an input to a program to achieve a different output	Y5-HD4
	Y5-ES5	I can explain the importance of communicating kindly and respectfully	Y5-P5	I can use 'if' and 'then' commands to select an action	Y5-HD5
	Y5-ES6	I can discuss the importance of choosing an age-appropriate game	Y5-P6	I can talk about how a computer model can provide information about a physical system	
	Y5-ES7	I can explain why I need to protect my computer or device from harm	Y5-P7	I can use logical reasoning to detect and debug mistakes in a program	
	Y5-ES8	I know which resources on the Internet I can download and use	Y5-P8	I use logical thinking, imagination and creativity to extend a program	
Year Group	code	e-safety	code	Programming	code
Year 6	Y6-ES1	I protect my password and other personal information	Y6-P1	I can deconstruct a problem into smaller steps, recognising similarities to solutions used before	Y6-HD1
	Y6-ES2	I can explain the consequences of sharing too much information online	Y6-P2	I can explain and program each of the steps in my algorithm	Y6-HD2
	Y6-ES3	I support my friends to protect themselves and make good choices online, including reporting concerns to an adult	Y6-P3	I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm	Y6-HD3
	Y6-ES4	I can explain the consequences of spending too much time online or on a game	Y6-P4	I can recognise when I need to use a variable to achieve a required output	Y6-HD4
	Y6-ES5	I can explain the consequences to myself and others of not communicating kindly and respectfully	Y6-P5	I can use a variable and operators to stop a program	Y6-HD5
	Y6-ES6	I protect my computer or device from harm on the Internet	Y6-P6	I can use different inputs (including sensors) to control a device or onscreen action and predict what will happen	Y6-HD6
			Y6-P7	I can use logical reasoning to detect and correct errors in algorithms and programs	
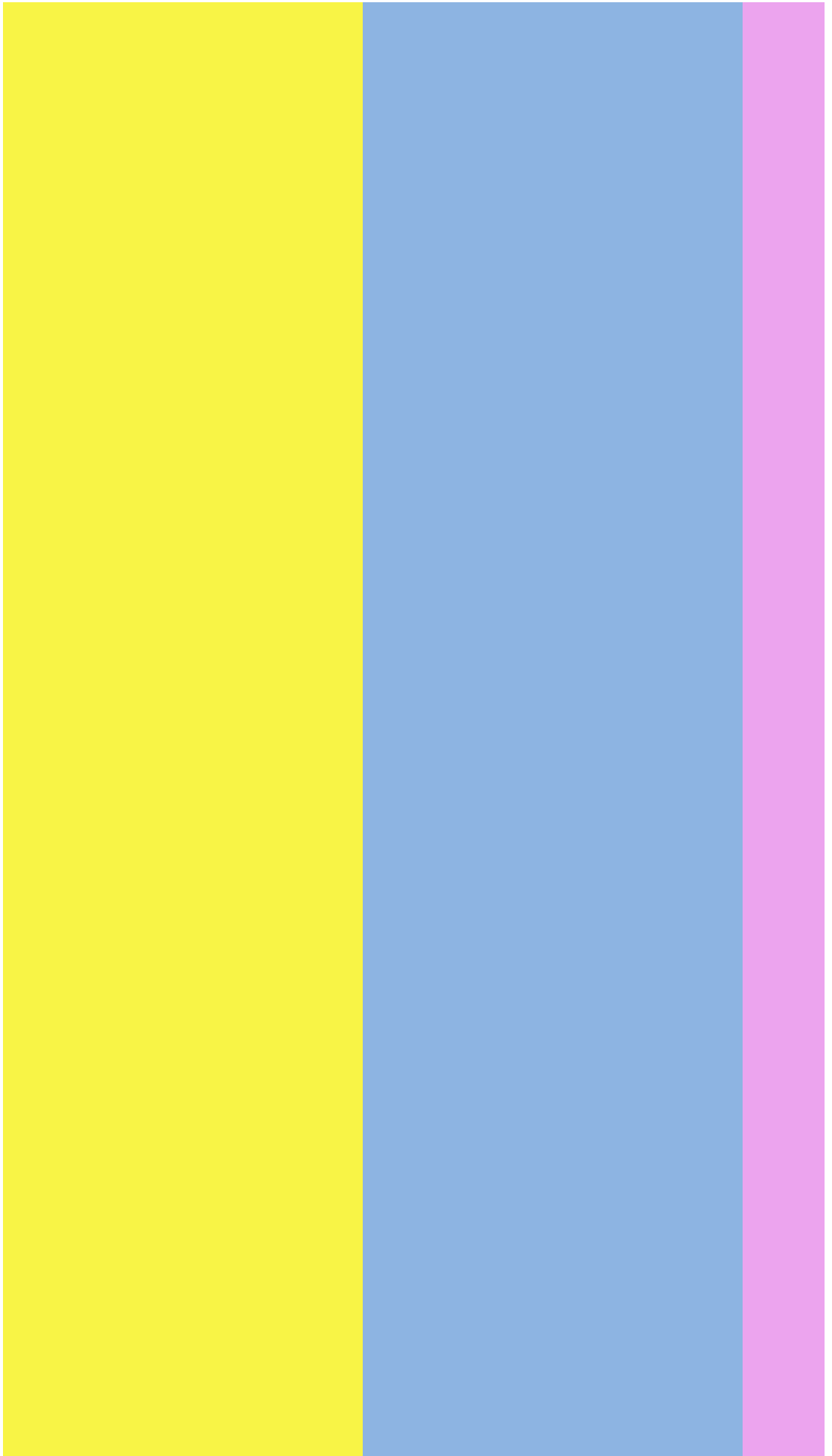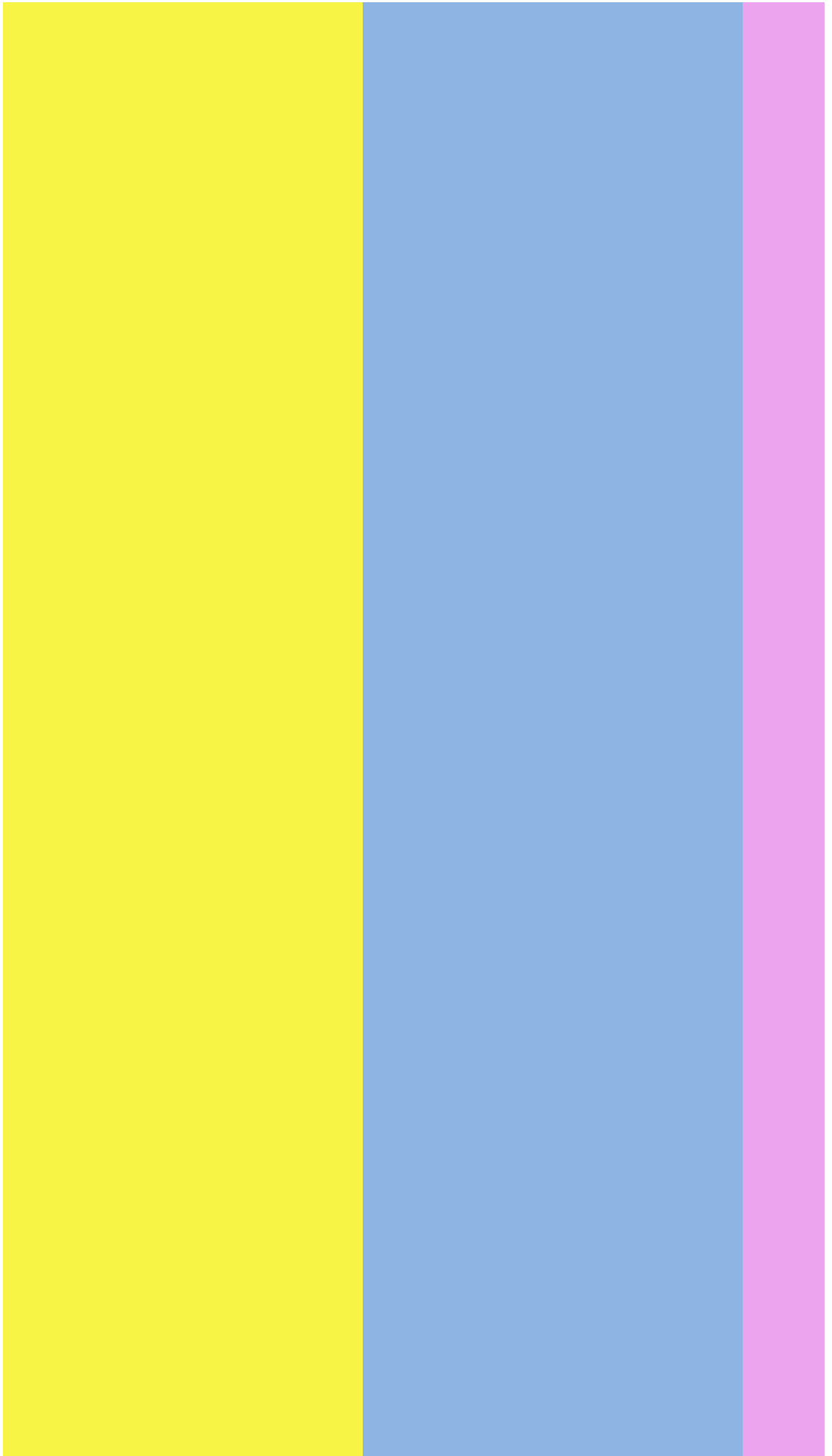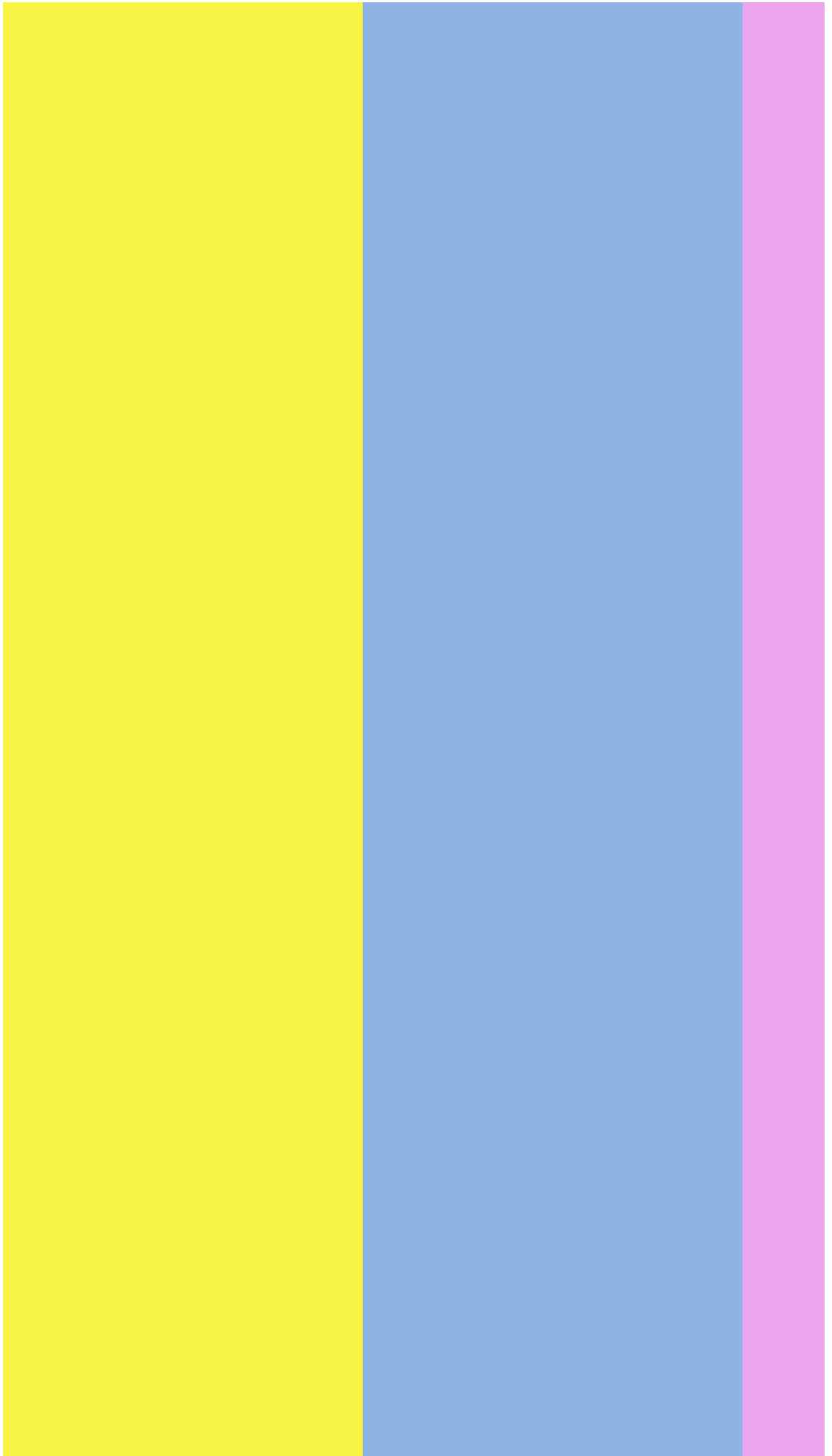
Handling Data	code	Multimedia	code
I can talk about the different ways in which information can be shown	Y1-M1	I can be creative with different technology tools	Y1-TL1
I can use technology to collect information, including photos, video and sound	Y1-M2	I can use technology to create and present my ideas	Y1-TL2
I can sort different kinds of information and present it to others	Y1-M3	I can use the keyboard or a word bank on my device to enter text	Y1-TL3
I can add information to a pictograph and talk to you about what I have found out	Y1-M4	I can save information in a special place and retrieve it again	Y1-TL4

Handling Data	code	Multimedia	code
I talk about the different ways I use technology, including a camera, microscope or sound recorder	Y2-M1	I can use technology to organise and present my ideas in different ways	Y2-TL1
I can make and save a chart or graph using the data I collect	Y2-M2	I can use the keyboard on my device to add, delete and space text for others to read	Y2-TL2
I can talk about the data that is shown in my chart or graph	Y2-M3	I can tell you about an online tool that will help me to share my ideas with other people	Y2-TL3
I am starting to understand a branching database	Y2-M4	I can save and open files on the device I use	Y2-TL4
I can tell you what kind of information I could use to help me investigate a question			Y2-TL5

| Handling Data	code	Multimedia	code
I can talk about the different ways data can be organised	Y4-M1	I can create different effects with different technology tools	Y4-TL1
I can search a ready-made database to answer questions	Y4-M2	I can combine a mixture of text, graphics and sound to share my ideas and learning	Y4-TL2
I can collect data to help me answer a question	Y4-M3	I can use appropriate keyboard commands to amend text on my device, including making use of a spellchecker	Y4-TL3

	code		code
I can add to a database	Y4-M4	I can evaluate my work and improve its effectiveness	Y4-TL4
I can make a branching database	Y4-M5	I can use an appropriate tool to share my work online	Y4-TL5
I can use a data logger to monitor changes and can talk about the information collected			Y4-TL6
Handling Data	**code**	**Multimedia**	**code**
I can organise data in different ways	Y4-M1	I can use photos, video and sound to create an atmosphere when presenting to different audiences	Y4-TL1
I can collect data and identify where it could be inaccurate	Y4-M2	I am confident to explore new media to extend what I can achieve	Y4-TL2
I can plan, create and searcha a database to answer questions	Y4-M3	I can change the appearance of text to increase its effectiveness	Y4-TL3
I can choose the best way to present data to my friends	Y4-M4	I can create, modify and present documents for a particular purpose	Y4-TL4
I can use a data logger to record and share my readings with my friends	Y4-M5	I can use a keyboard confidently and make use of a spellchecker to write and review my work	Y4-TL5
	Y4-M6	I can use an appropriate tool to share my work and collaborate online	
	Y4-M7	I can give constructive feedback to my friends to help them improve their work and refine my own work	
Handling Data	**code**	**Multimedia**	**code**
I can use a spreadsheet and database to collect and record data	Y5-M1	I can use text, photo, sound and video editing tools to refine my work	Y5-TL1
I can choose an appropriate tool to help me collect data	Y5-M2	I can use the skills I have already developed to create content using unfamiliar technology	Y5-TL2
I can present data in an appropriate way	Y5-M3	I can select, use and combine the appropriate technology tools to create effects that will have an impact on others	Y5-TL3

|	code		code
I can search a database using different operators to refine my search	Y5-M4	I can select an appropriate online or offline tool to create and share ideas	Y5-TL4
I can talk about mistakes in data and suggest how it could be checked	Y5-M5	I can review and improve my own work and support others to improve their work	Y5-TL5
			Y5-TL6
Handling Data	**code**	**Multimedia**	**code**
I can plan the process needed to investigate the world around me	Y6-M1	I can talk about audience, atmosphere and structure when planning a particular outcome	Y6-TL1
I can select the most effective tool to collect data for my investigation	Y6-M2	I can confidently identify the potential of unfamiliar technology to increase my creativity	Y6-TL2
I can check the data I collect for accuracy and plausibility	Y6-M3	I can combine a range of media, recognising the contribution of each to achieve a particular outcome	Y6-TL3
I can interpret the data I collect	Y6-M4	I can tell you why I select a particular online tool for a specific purpose	Y6-TL4
I can present the data I collect in an appropriate way	Y6-M5	I can be digitally discerning when evaluating the effectiveness of my own work and the work of others	Y6-TL5
I use the skills I have developed to interrogate a database			Y6-TL6
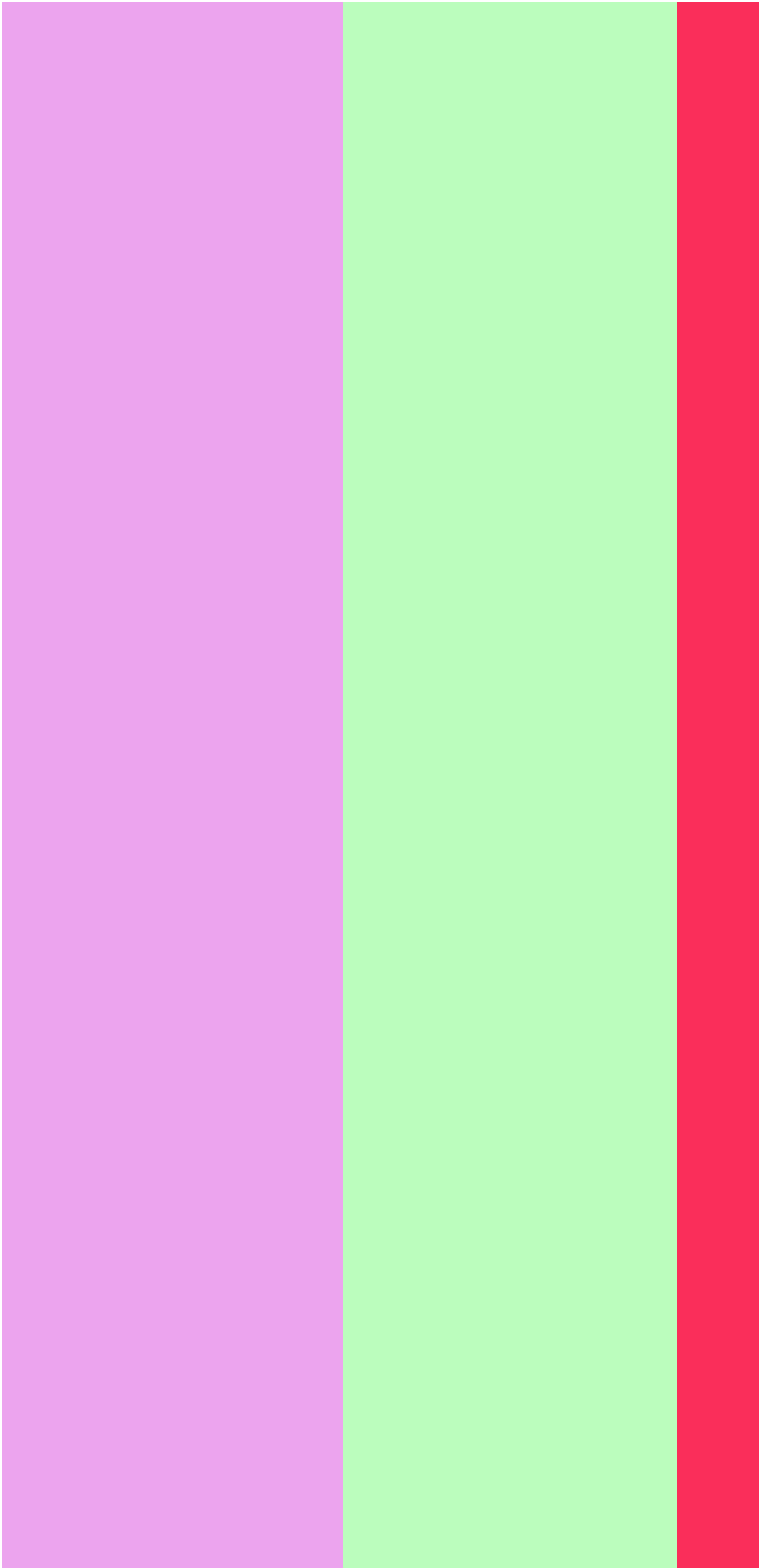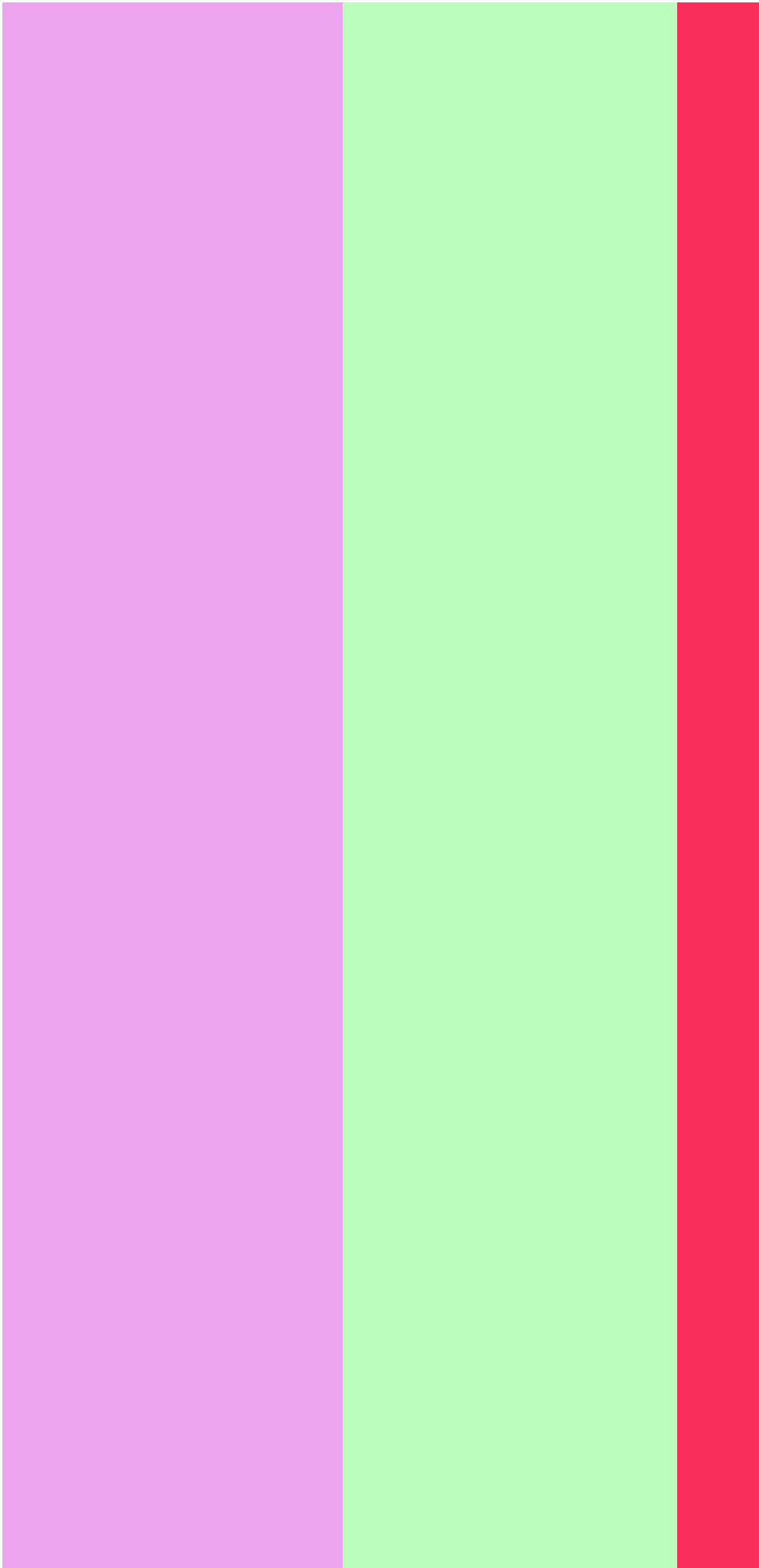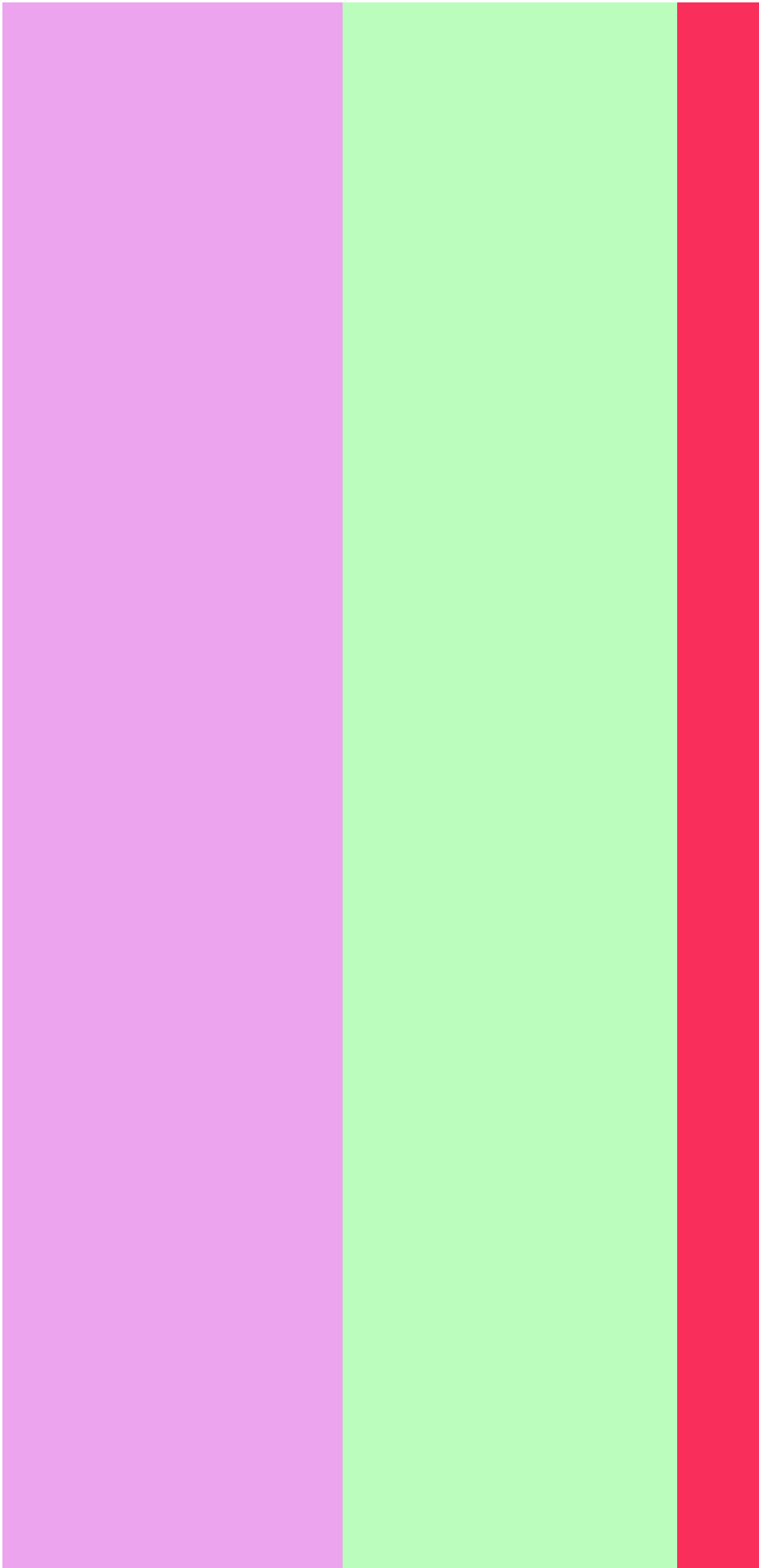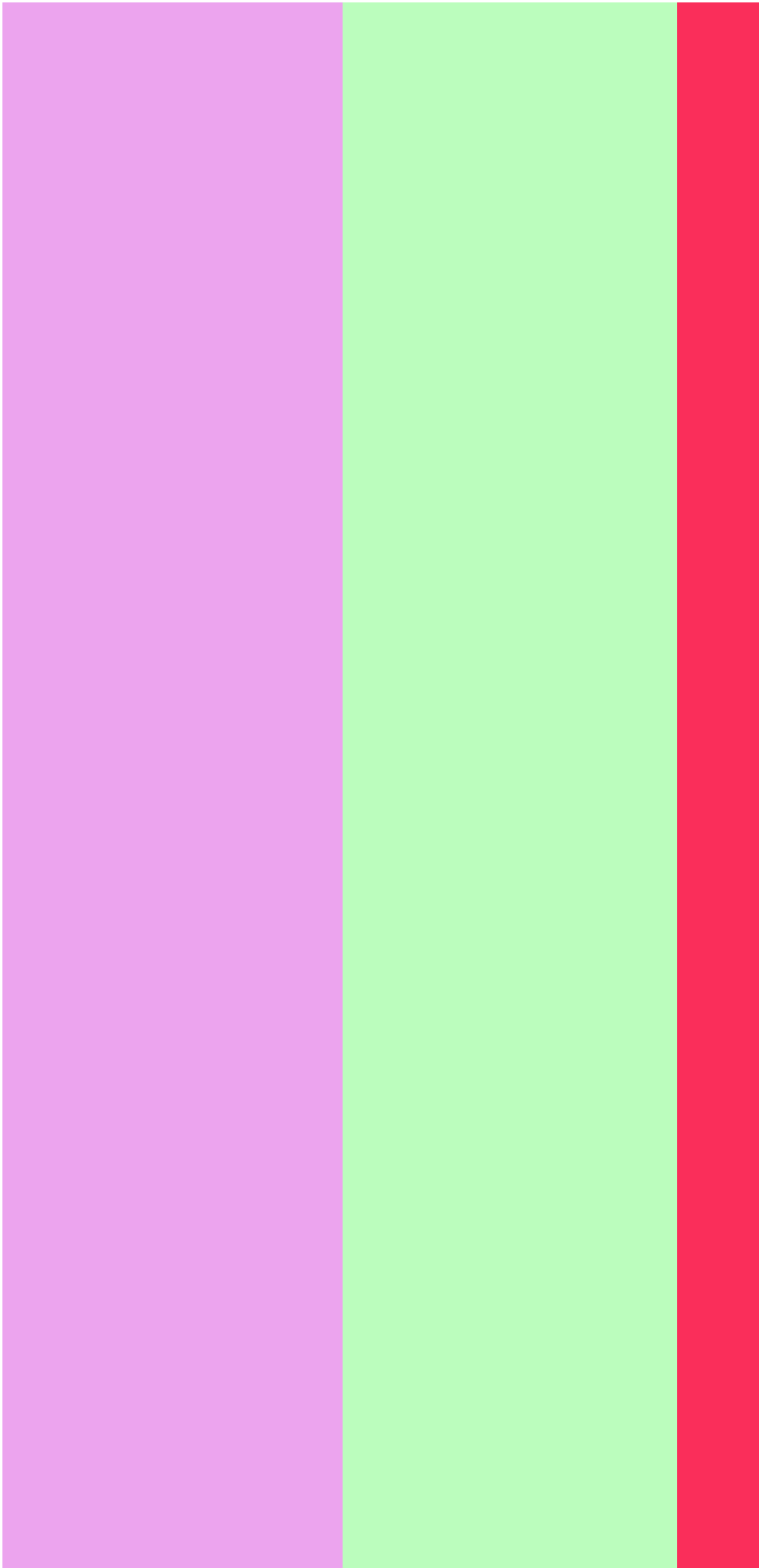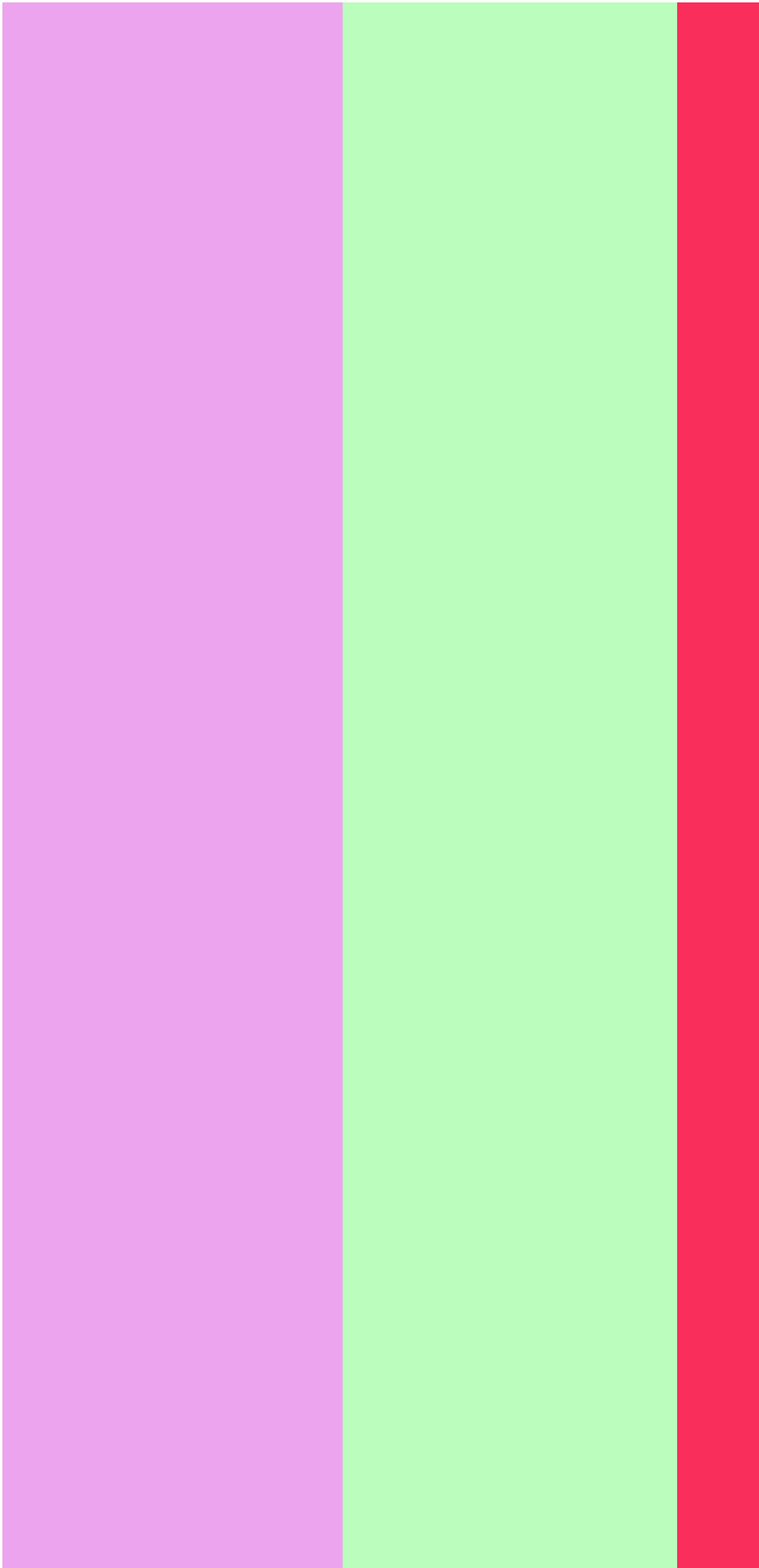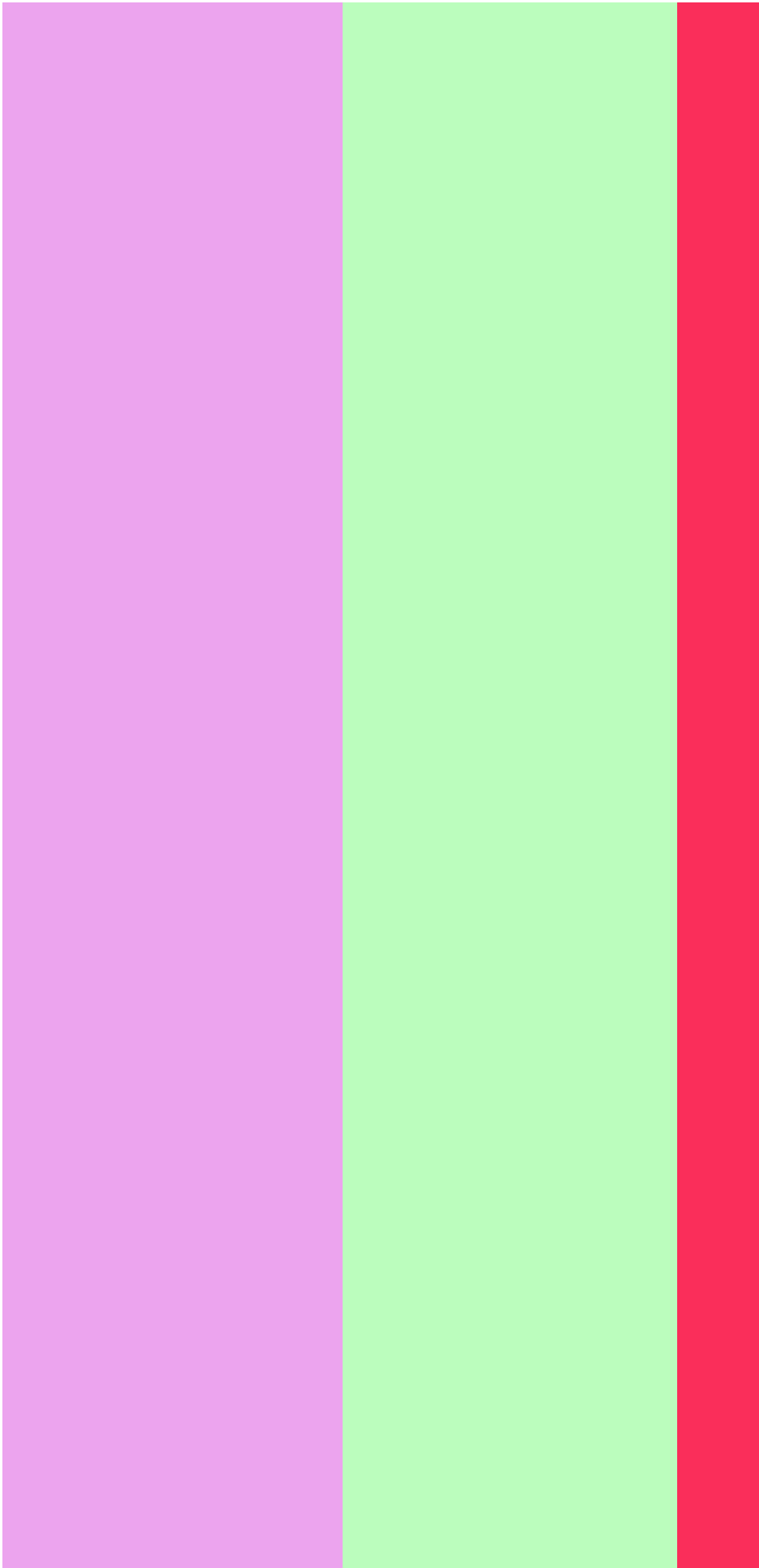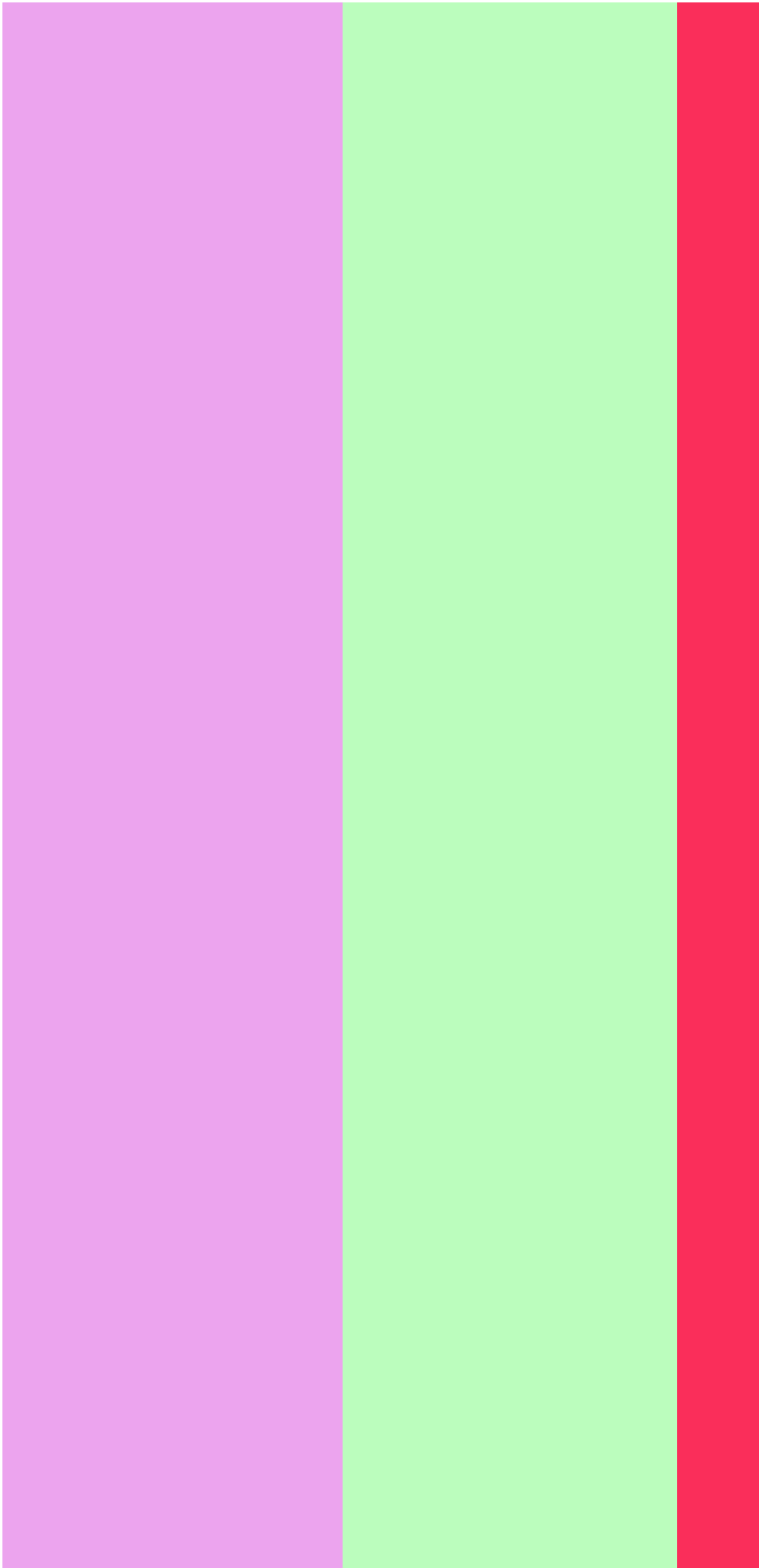
Technology in our Lives

I can recognise the ways we use technology in our classroom

I can recognise ways that technology is used in my home and community

I can use links to websites to find information

I can begin to identify some of the benefits of using technology

Technology in our Lives

I can tell you why I use technology in the classroom

I can tell you why I use technology in my home and community

I am starting to understand that other people have created the information I use

I can identify benefits of using technology, including finding information, creating and communicating

I can talk about the differences between the Internet and things in the physical world

Technology in our Lives

I can save and retrieve work on the Internet, the school network or my own device

I can talk about the parts of a computer

I can tell you ways to communicate with others online

I can describe the World Wide Web as the part of the Internet that contains websites

I can use search tools to find and use an appropriate website

I think about whether I can use images that I find online in my own work

Technology in our Lives

I can tell you whether a resource I am using is on the Internet, the school network or my own device

I can identify key words to use when searching safely on the World Wide Web

I think about the reliability of information I read on the World Wide Web

I can tell you how to check who owns photos, text and clipart

I can create a hyperlink to a resource on the World Wide Web

Technology in our Lives

I can describe different parts of the Internet

I can use different online communication tools for different purposes

I can use a search engine to find appropriate information and check its reliability

I can recognise and evaluate different types of information I find on the World Wide Web

I can describe the different parts of a webpage

I can find out who the information on a webpage belongs to

Technology in our Lives

I can tell you the Internet services I need to use for different purposes

I can describe how information is transported on the Internet

I can select an appropriate tool to communicate and collaborate online

I can talk about the way search results are selected and ranked

I can check the reliability of a website

I can tell you about copyright and acknowledge the sources of information that I find online